

MANUFACTURERS RECORD

A Weekly Newspaper Devoted to the Industrial, Financial, Railroad,
Mining, Contracting, Engineering, Building, and General
Business Interests of the South and Southwest

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Where Does the South Stand?

Are the business men of the South in favor of standing by President Wilson and leaving him unhampered in the trying position in which he is placed?

Are they in favor of calling a halt on the pernicious activity of some politicians in the effort that is being made to embarrass Woodrow Wilson, upon whom rests a weightier responsibility for human weal and for civilization itself than ever before rested upon any President of this country?

Are the people of the South willing to permit themselves to be posed before the world as whining critics of the President elected from their section and by their votes, and who has gathered around him in his Cabinet and in high official position men from all parts of the South, and who has made a Southern man Ambassador to Great Britain and a Southern man Ambassador to Italy, thus giving to this section at home and abroad every possible advantage of representation by its own people?

The South is being placed in a false position before the world. It is being posed as more interested in cotton than in honor.

We invite from our readers throughout the South an expression of their opinion against the present agitation, which is largely designed to embarrass the President in his international negotiations. Now is the time for the South to speak out, and to speak with vigor.

BALTIMORE, AUGUST 19, 1915



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MANUFACTURERS RECORD

A WEEKLY SOUTHERN INDUSTRIAL, RAILROAD AND FINANCIAL NEWSPAPER

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PLANS FOR MARKETING COTTON GRADUALLY.

TEXAS bankers have made a move that should be worth millions of dollars to the cotton growers of the South.

Presidents of the State bankers' associations of a number of Southern cotton-growing States, together with representatives of the Atlanta, Dallas and St. Louis Federal Reserve Banks and delegates from clearing-house associations and cotton centers throughout the South, met in Galveston last week for the expressed purpose of devising plans by which cotton may be hereafter marketed as needed instead of being dumped on the market in the first fall months of the year as heretofore.

There was an entire co-operation in the plans proposed, and the hopeful feeling was expressed that by carrying out the plans agreed on it should be possible to add at least a cent a pound to the receipts of the producer of cotton.

The co-operation of the Federal Reserve Banks was assured of the plan to discount notes of cotton farmers and merchants secured by proper warehouse receipts for cotton and accompanied by evidence of insurance and their proper protection.

One of the important suggestions made was that there shall be selected one hundred men from each State—one hundred of the strongest bankers and representative business men—to take the field in the various cotton-growing States and to conduct two days' simultaneous campaign, calling meetings of merchants, bankers and producers in practically every county in the South and preaching to them the gospel of gradual marketing. These men, it was urged, should go as representative bankers and business men of the South, men whose opinions the interior bankers and merchants will respect; call on them, not only as patriotic citizens, but as good business men, to warehouse their cotton, protect their bankers and merchants by cotton warehouse receipts, extend a portion of their obligations over a graduated period, and put this year's crop on the market as it is needed. There was an enthusiastic unanimity of opinion that the plan proposed will be entirely practical.

The new Federal Reserve Bank system was declared to be a vital factor in making gradual marketing plans possible, and it was declared that there should be no repetition of the dumping of cotton which sent the prices to the abnormally low level that followed the outbreak of the European war last year.

While it was conceded that complete adoption of the plan might not be accomplished this year, it was believed that eventually it will be so generally adopted as to enable the South to market the cotton crop during twelve months in the year instead of three or four.

THE SOUTH SHOULD HAVE GUN PLANTS AND NAVAL STATIONS.

AN effort is being made by the Chamber of Commerce of Birmingham to secure the building in that city of a plant for the manufacture of rifles and other small arms. In this respect, Birmingham is not moving any too quickly. A plant of this kind should be built somewhere in the central South. The United States Government should establish a great plant of this character for its own protection. At the same time, it well behooves the capitalists and industrial leaders of the country to co-operate in establishing one or more gun-making plants in the South.

The entire war-munition business is largely centered within a radius of 200 miles of New York. That is unwise from every point of view. National safety demands the building of a plant or of plants far removed from the influences that are now so dominant in this limited area.

As stated in the MANUFACTURERS RECORD a few weeks ago, it is easily conceivable that if, under a stress of war some central point of this eastern country could be occupied by an invading army, it would be possible practically to conquer the country without much difficulty through the inability of the nation to produce war supplies at more distant points. This fact should receive the careful consideration of the National Government, of men who control large gun, iron and steel making works, such as the Bethlehem Company, the Remingtons, the Winchesters and others, whose interests are now staked to too large an extent for their own good and the safety of the country upon a limited area in the East.

Men who carry on such great enterprises as these ought to look beyond the immediate present and safeguard their own interests as well as help to safeguard the nation by building large plants far removed from the present center. Mr. Schwab of the Bethlehem Company and his associates are thoroughly familiar with the South and its advantages for iron and steel interests. They ought, for the good of their own company as well as the good of the country, to become leaders of the development of some big plant in the central South. To the owners of the Winchesters and the Remingtons the same advice might properly be given.

We have so long boasted of our ability to keep out of war, and we have listened at times to the voice of incompetents who have claimed that over night the country could raise and equip an army of a million volunteers, until we are only now beginning, in the light of the world conflagration, to see the danger of our own situation. Conditions in Europe have demonstrated the need of preparedness on a scale such as the world, outside of Germany, never deemed possible a year ago. What England, and France, and Belgium, and Russia are suffering might easily be transferred to our shores, and a large part of this country could be laid waste by some murdering machine such as that which has wrecked Belgium and is seeking to wreck other lands as fully as it has destroyed Belgium.

In the light of these world conditions, we must throw aside all of our preconceived notions of safety and plan broadly for national security by national preparedness. It would be almost vain to create an army or to build a great navy unless we have the facilities for equipping the army and for safeguarding the navy and furnishing it with ships, guns and powder. South of Norfolk, with a stretch of country covering nearly two-thirds of the coast line of the United States, we have no adequate naval base, and none where big battleships could be repaired in case of emergency. We have none

in all that region where battleships or cruisers could be built. This is almost criminal folly. South of Philadelphia we have no place where small arms are manufactured to any important extent; and, indeed, that city is only now beginning to engage in this work, and it will take a year before the plant now building is in full operation.

It therefore behooves the Administration and Congress, the capitalists and the industrial leaders of the nation to give immediate consideration to this vital situation. In doing so it should be remembered that as a minimum it would take a year or more from the time the plant was started before it could be producing munitions of war to any important extent.

In this situation there is an opportunity for the South which should be recognized by the Government and by industrial leaders; and this opportunity of the South would make possible, if utilized properly, the safeguarding of the nation in times of need.

In this connection it is interesting to note that the financial people connected with the Alabama Power Co., which has invested many millions of dollars in hydro-electric operations in Alabama, have organized with a capital of \$50,000, fully subscribed, a New York corporation to be known as the Southern Munitions Corporation. The purpose of this corporation is not to make war munitions, but merely to facilitate the obtaining of contracts for every kind of material or manufactures which can be supplied by Alabama and the adjacent districts. It is not the purpose of the corporation to derive any profit from obtaining and placing such orders other than enough to cover its actual operating expenses, its principal motive being to foster the introduction of new lines of industry and manufactures in the district in which the Alabama Power Co. is interested.

This is a broad-gauged policy which should be followed by many other financial and industrial enterprises interested in the South. It will doubtless be possible for this new company to influence the placing of many orders in Alabama and the adjacent territory and thus assist in broadening the development of the metallurgical interests of the central South. Big banking houses in New York, such as Morgan & Co., Blair & Co. and others who represent vast investments in Southern railway and kindred enterprises, should engage in similar work. In doing so they will not only be benefiting their stockholders, but benefiting and helping to protect the entire country. The opportunity is one which every important banking house in the country interested in the South should utilize to the fullest extent.

ASSURANCE TO THE SOUTH.

COMMENTING on the assurance for the South that its every interest will be protected by the many Southern men represented in this Administration, as published in the MANUFACTURERS RECORD last week, the Atlanta Journal says:

This peculiarly impressive list of Southern men who are directing and advising the Administration is presented by the MANUFACTURERS RECORD as ample assurance that the South's interests will be served justly and generously. Yet, as the MANUFACTURERS RECORD adds, there are persons here and there "who are undertaking to berate the Administration as though the President and those around him knew nothing about the South's needs or the best way of securing every advantage that possibly can be had for the South's cotton crop." Happily, however, the faultfinders and agitators are in a lean and low minority. The mass of Southern folk know that the Administration has the South's well-being closely at heart, just as it has the common country's well-being closely at heart. They trust the President's judgment and patriotism in the foreign problems that are to be solved. They see no need of prodding an Administration that is so distinctively Southern and so truly American.

SOME BALTIMORE MEN MAKE A BAD BREAK.

Charles E. Falconer, President. George L. Irvin, Treasurer. Robert J. Beacham, Secretary. A. E. Beck, Traffic Manager.

MERCHANTS & MANUFACTURERS' ASSOCIATION.

Vice-Presidents: Frank N. Hoen, William H. Matthal, William A. Boykin, Key Compton.

Advisory Board: James A. Gary, Summerfield Baldwin, Lloyd L. Jackson, E. Stanley Gary, William B. Hurst, Henry F. Baker.

Baltimore, August 9.

His Excellency,

Hon. Woodrow Wilson,
The White House,
Washington, D. C.

Sir:

The wholesale merchants of Baltimore, seventy-five (75) per cent. of whose business is done in the Southern States, in meeting assembled, respectfully petition your Excellency, through the officers of our Association, to urge England and her Allies to permit the shipment of cotton cargoes to neutral nations.

It should be remembered that with all foreign markets open last year, between three and four million bales of the crop remain unsold, and if this embargo is continued our farmers, storekeepers and merchants in the Southern States will have a most difficult problem to solve.

We beg to remain,

Very respectfully yours,

CHARLES E. FALCONER,

President.

Attest:

ROBERT J. BEACHAM,
Secretary.

The foregoing letter addressed to President Wilson is absolutely misleading, whether so intended or not. It would be charitable to put upon the statement in the first paragraph of this letter to President Wilson an interpretation that it was written by a school boy who did not know the use of the English language; but other things connected with its publication make it difficult to do so.

This letter states that the "wholesale merchants of Baltimore, 75 per cent. of whose business is done in the Southern States, in meeting assembled." Now, as a matter of fact, the wholesale merchants of Baltimore were represented to the beggarly extent of ten men only, and only eight of these were known to the president or the secretary of the Association. President Falconer, notwithstanding the fact that he signed this letter as the official head of the organization, is anxious, as he writes the MANUFACTURERS RECORD, after it had asked for information on the subject, that it should be known that "this was not a meeting held by the Merchants and Manufacturers' Association; that it was held upon a call issued by the chairman of the Rebate Committee, and had been sent to about two hundred jobbers who were members of the Association." Mr. Falconer adds in his letter that he desired to make it clear to this gathering that it was not a meeting of the Merchants and Manufacturers' Association, and that it must stand on its merits as representing the views of those present in their capacity as business men, and not as members of the Merchants and Manufacturers' Association. And yet as president of the Association Mr. Falconer signed this letter and permitted it to be given immediately to the newspapers, overlooking the courtesy which usually goes with such correspondence in withholding it from publication until the receiver has had an opportunity of replying.

We accept Mr. Falconer's interpretation as given to the MANUFACTURERS RECORD, and acquit him of intentional discourtesy to the President, but he did sign the letter saying that "the wholesale merchants of Baltimore in convention assembled" when only ten men were in attendance. As he disclaims responsibility on the part of the Merchants and Manufacturers' Association for it, the question may well be asked, Who was responsible?

In reply to an inquiry as to those in attendance, we are advised by Mr. Falconer as follows:

"The firms attending the meeting of August 9 were:

Reinhard, Meyer & Co.
The R. M. Sutton Co.
Dixon-Bartlett Co.
Carter-Webster Co.
Henry Sonneborn & Co.
Dowell-Helm & Co.
Joyner, Witz & Co.

and two others, whose names I cannot ascertain."

It may well be asked who were the other two men whose names could not be ascertained by the presi-

dent of the Association, though he was in attendance.

Are these firms willing to stand before the public for having addressed to President Wilson a wholly misleading letter, and then of having copies of it mailed simultaneously to the newspapers and to commercial organizations throughout the South, with this request?

We would thank you to have same referred to your proper committee, and if acted upon favorably to forward copies of such action to your Congressmen and Senators and the President of the United States. Please send this office copies of any action you might take.

Was it the deliberate intention of those who framed this letter, whoever they may be, to mislead the public and create the impression that the wholesale merchants of Baltimore "in meeting assembled" had addressed such a letter as this to President Wilson? If not, are the eight (or possibly ten) men who attended that meeting and whose names have been given above willing to stand before the public as endorsers of that letter? President Falconer states that an invitation was sent to about 200 jobbers to attend the meeting, but only ten houses were represented. Were the other 190 wise enough to recognize the impropriety of this action? And yet the Association promptly rushed into print the letter to the President, in which, instead of stating the facts and saying that ten firms had decided on this action, it said "the wholesale merchants of Baltimore, 75 per cent. of whose business is done in the Southern States, in meeting assembled."

The Merchants and Manufacturers' Association of Baltimore, though it numbers among its members a very large proportion of the foremost business men of the city, has at times been guilty of some egregious blunders in the effort of the organization, or of some officials connected with it, to secure "cheap John" publicity in the South. So far as the public is concerned, the impression has been created that the wholesale merchants of Baltimore in some general and largely-attended meeting have addressed this letter to the President. That is the impression that would naturally be drawn by the President from the wording of the letter, and it is the only impression that Southern business organizations or Congressmen could possibly get from their letter. It is, therefore, wholly misleading, and is a reflection upon the intelligence of this community.

But Baltimore business men should not be held responsible for this action. Neither should the Merchants and Manufacturers' Association as a body be held responsible, though the officials of the organization have committed themselves to it by their signatures and by sending it out broadcast on the letterhead of the Merchants and Manufacturers' Association and over the signatures of the president and the secretary. It behooves the Merchants and Manufacturers' Association "in meeting assembled" to repudiate this letter and the wording of it, and the effort to gain cheap notoriety by rushing it into print in the newspapers and mailing copies of it to commercial organizations and to Congressmen prior to or coincident with its being sent to the one to whom it is addressed, the President of the United States.

In striking opposition to this way of handling such a matter is the action of the Columbus Board of Trade of Columbus, Ga., a business organization in the very heart of the cotton-manufacturing region of the South, where there is far more familiarity with the actual conditions existing than among the members who attended this Baltimore meeting, and who very properly, in taking action on the matter, did so in the form of a resolution rather than that of a personal letter to the President. Their action was as follows:

Whereas, sundry organizations have requested the directors of the Columbus Chamber of Commerce to express themselves in the matter of England's interference with the shipment of American cotton goods to neutral countries and interruption of trade between the United States and Austria, Turkey and Germany; therefore, be it

Resolved, That the directors of the Columbus Chamber of Commerce do hereby express their confidence in the President of the United States and praise and approve his negotiations with England with regard to the matter, and hereby authorize the secretary of the Columbus Chamber of Commerce to transmit copies of this resolution to the President of the United States and to the Georgia members of Congress.

Columbus, Ga., July 14, 1915.

COTTON MANUFACTURING AND CATTLE RAISING COMBINED.

ONE of the most interesting developments in the industrial life of the South has been the creation of the town of Spray, N. C., where Mr. B. Frank Mebane has during the last ten or twelve years built a number of cotton mills, five of which he sold to Marshall Field & Co., thus bringing the capital of that firm into direct interest in the development of cotton manufacturing in the South. Having created a number of mills and a prosperous town of 10,000 or 12,000 people, Mr. Mebane has during the last few years turned his attention to the development of livestock interests in North Carolina, and on that subject speaks with enthusiasm as to the possibilities of the South as a stock-raising section. In an interview with the MANUFACTURERS RECORD Mr. Mebane took the ground that the South is the best cattle-raising section in this country, and he has studied the industry from the Atlantic to the Pacific and bases his statements on personal knowledge gained in his own experience.

In the New York Herald of August 16 Mr. Mebane said:

The war is giving the people of the world a liberal geographical education, and especially an appreciation of the physical geography lying between the Potomac and Atlanta, Ga. The loss of virgin soil and of good soil by washing in the cotton States since the Civil War exceeds the loss of property in the European war to such a degree that the educated farmer of the South has determined to abandon the policy of ploughing just enough to kill the grass and not enough to make a crop.

If England declares cotton contraband tomorrow simultaneously there will be supplied a purchaser for the entire crop. Two things will regulate the outcome—England's policy and interest and the abolition of financial slavery brought about by the recent currency legislation and the determination on the part of the small Southern farmer and tenant to raise foodstuffs and beef cattle.

The cotton States have determined to stop killing grass and to have more cattle to kill. No contract or legislation is necessary to regulate the acreage or the price of cotton. The lower it sells this season, the greater will be the education concerning it and the appreciation of the by-products of the cotton plant. When a thorough understanding of the animal industry is had in connection with the grasses indigenous to the cotton-growing States and cottonseed hull and cottonseed meal, then automatically there will be a realization by even the "one-galvus" farmer that cotton is his money crop, and that the acreage in the future will be governed largely by the contract price offered before the cotton is planted.

Every beef feeder and dairy in Wisconsin, Illinois, Indiana and Ohio feed cow feed from Georgia, either cottonseed meal or cottonseed hull. A similar revolution will come about in the animal industry in Georgia to that which converted hot air into grand opera in Atlanta. That city has more public spirit than any other in America. In one broad sweep she raised herself from a hot-air distinction into a city of song. She is now a city of culture, and an inspiration to the country people of Georgia. She is converting her cotton farmer into an exhibitor of registered cattle.

The American cotton crop for one year in its fabricated form and with its by-products exceeds in value the entire British loan of \$3,000,000,000, which attracted the admiration of the world. It amounts to more than the output of the United States Steel Corporation for three years. All that is necessary for a solution of all the cotton troubles is a comprehensive appreciation of the affinity of cotton, grass, beef cattle and the wholesome negro.

Five Hereford bull calves in every township in every cotton-growing county automatically will reduce the cotton acreage to such an extent that it will more than compensate for the hardships and the slavery that the cotton planter has endured since the Civil War.

The value of this study of geography is resulting rapidly in the realization that people and animals are prototypes of their geography—a section wherein a few impoverished States have risen up from the ashes of war and taken charge of the Government in a way which gives the world an appreciation of the scholar and the judiciary as inspiration.

STOP WHINING, SAYS HARDING.

W. P. G. HARDING, an Alabamian by birth and for years one of the leading bankers of the South, now a member of the Federal Reserve Board:

I am greatly pleased with the excellent work that the MANUFACTURERS RECORD has been doing in the way of restoring confidence in the South, and I sincerely hope that our people will stop whining and face the situation with the common sense and manhood of which they are really capable.

"TALKING POINTS" IN BRINGING CAPITAL SOUTH.

If ever there was a time when it behooved the people of the South to do all in their power to put down agitation against corporations and capital and to bid a welcome to outside capital, now is the time. This welcome, moreover, must not be merely in glittering generalities; it must be tangible; it must be so safeguarded that the man who puts his money into the South, though he knows he will take his chances on the business venture, must feel absolutely certain that legislation will not seek to defraud him of any right which he possessed under the contract into which he entered when he invested his money under State laws, so long as his enterprise is one for the welfare of the community and is managed with due regard to the rights of the public.

In 1907 the Legislature of Alabama passed a law exempting from taxation for ten years all hydro-electric plants developed within that State. Acting under that law, a company was organized which brought into the State a good many millions of dollars which were invested in the development of water-power plants. In the State Legislature at present an effort is being made to repeal the law and thus to compel the company, which, acting in good faith on the honor of Alabama, brought foreign money into the State, to pay taxes on investments made in the belief that Alabama had pledged its honor to this contract.

The MANUFACTURERS RECORD cannot believe that the people of Alabama will permit the Legislature to repeal this law and thus to violate its contract. The question at issue, so far as this discussion is concerned, is not whether the law was a wise one or not, although the MANUFACTURERS RECORD believes that it was wise, and that it would be wise for all Southern States to pass somewhat similar laws in regard to great undertakings to utilize undeveloped water-powers, but the question now is simply whether the State will stick to its bargain, and we believe that the State should do this even if the bargain had been a bad one.

Unfortunately, many of the capitalists of this and other lands are afraid of the South. They will not invest in this section because of this fear, and this can be heard freely discussed in every financial circle of the country. So overwhelming, however, are the resources of the South, and so strong is the faith of some in the honor of this section, that a considerable amount of capital does come into the South for investment work, but the amount is far less than it ought to be. For every hundred thousand dollars now raised outside of the South for investment in this section it ought, under right conditions, to be possible to raise a million dollars; indeed, it is not too much to say that it ought not to be impossible to raise a million for every thousand now invested. In the West and on the Pacific coast hundreds of millions and billions of dollars have been put where the natural resources are triflingly small as compared with the South. But the investors had limitless faith in the integrity of contracts in the West and on the Pacific coast. It may be true that their faith has not always been justified, but the record, unfortunately for us, has been better there than in the South.

A burnt child dreads the fire, and a little illustration tells the tale. A few years ago there appeared on the editorial page of a leading financial paper in London an announcement that one of the Southern States would within a few days make an issue of securities in London, and the editor commended these securities to public consideration on the ground that the State was one of large natural resources. On the following day there appeared on the same page a brief letter from a London investor, who, calling attention to the editorial announcement of the day preceding, reminded the public that the State mentioned had years ago repudiated a bond issue (and in this case the repudiation was not due to fraudulent bonds issued after the war), and he urged that the London Stock Exchange should not give countenance to an issue of securities by a State which had once repudiated its bonds. On the third day there appeared on the same page of the same paper a brief announcement that the proposed issue of bonds by a Southern State had been withdrawn and would not be offered in London.

This is a case in which honesty would have been the best policy—taking honesty in its broad sense of honor and integrity.

For every block of capital in this or any other country awaiting development there are always many suitors. Every banking house when it has capital for investment has presented to it many propositions from all parts of the world covering almost every line of human activity. The one who secures this block of capital by appealing most strongly to the bankers who have it for investment, or who can secure it, is the one who has the best talking point. The talking point may not seem to be a very great one as regards the whole scheme, but it will be a point which can be presented with urgency and with force. For instance, when Alabama announced to the world that it would exempt from taxation for ten years all plants established in the State for the development of water-power, we are quite sure that every man who sought to enlist capital in hydro-electric developments in Alabama used this exemption as one of his strongest talking points. The aggregate of money to be saved may not have been large enough to affect the final result, but it would of necessity be a strong talking point to be able to say to the capitalists of this and other lands that the people of Alabama are so deeply interested in industrial development that they had passed such a law as this. Let any State in the South pass a law exempting from taxation for ten years any plants to be established, and every promoter of such interests will find this fact his very best talking point. He may be able graphically to present the advantages of the State for the particular interests, but there will be opposed to him other promoters or investment agents able to present the advantages of their communities. If, however, he can present the advantage of showing that the State is so interested in the development of industry as to be willing to exempt new ones from taxation for ten years, and his opponent cannot present the same argument, he is almost certain to hold the attention of the investor and to win the investment.

No State in the South can afford to let its commercial integrity or honor be tarnished. There is no loss great enough to justify this. There is no possible profit great enough to make it wise for a State to violate an agreement in safeguarding the interests of those who under its laws have trusted their money—and money simply represents the aggregate result of brain and brawn—and so trusting the money to the State the investor is trusting all that he has achieved in material things through brain and brawn.

A HOT LETTER TO HOKE SMITH FROM A FORMER ADMIRER.

[Copy.]

Charlotte, N. C., August 14, 1915.

Senator Hoke Smith,
Atlanta, Ga.:

Dear Sir—I notice through the Associated Press dispatches of the 13th your position towards Great Britain and her blockade. I cannot believe that a man of your intelligence and of Anglo-Saxon origin can possibly be sincere when he expresses himself as you do on that subject.

Please allow me to state that, like the Atlanta Journal, I have always been one of your most earnest political advocates in Georgia so far as my limited means and influence would permit. On many occasions I have heard the Brownites charge you with being everything that was contemptible. On a number of occasions I was the only one present that defended you against such assaults. I believed the charges were wilful misrepresentations which originated in the minds of unprincipled politicians. One of the charges which was most frequently presented was that you were an unprincipled hypocrite.

In your last race for the Governorship I put my own interest and business aside and traveled two hundred miles to vote for you. I now beg leave to state that, if it be in my power hereafter to injure your political aspirations in any way that may be honorable, I will go the limit. I have read a very able editorial in the Atlanta Journal of today, also Mr. Edmonds' reply to your statements in the New York Herald. I endorse them.

I am directly interested in the export of cotton and its by-products, and if your policy is carried out by the Government it will bring about very serious injury to our business.

Respectfully,

W. P. FERGUSON.

615 Empire Building,
Atlanta, Ga.

EXPORTS OF COTTON.

THE exports of cotton for July last were nearly double the exports for the corresponding month in 1914. In July last year the total shipments abroad were 126,211 bales, of which 43,777 bales went to the United Kingdom, 41,291 bales to Germany, 2522 bales to France, 22,758 bales to Italy and 15,863 bales to all other countries. During July, 1915, the total exports were 243,522 bales, a gain of 117,311 bales, or an increase of nearly 100 per cent. Of these shipments the United Kingdom took 58,944 bales, a decrease of 15,200 bales compared with July last year, while France jumped its imports from 2522 bales to 27,209 bales; Italy increased its cotton imports from 22,758 bales in July, 1914, to 52,069 bales in July this year. Germany imported no cotton direct during July of this year from the United States, but the exports under the heading "all other countries" made a remarkable jump from 15,868 bales in July of last year to 104,400 bales for July of this year, indicating that Germany was getting cotton through neutral countries. These figures do not include the exports of linters, which amounted to 14,364 bales for July, the bulk of which went to France.

An interesting study of the total exports of cotton during the twelve months ended July 31 is as follows:

EXPORTS OF DOMESTIC COTTON AND LINTERS FOR TWELVE MONTHS, ENDING JULY 31.

	1915.	1914.
United Kingdom.....	3,771,646	3,455,845
Germany	212,661	2,785,963
France	682,630	1,066,527
Italy	1,109,541	615,180
All other countries.....	2,737,095	1,307,286
Total	8,543,573	9,150,801

These figures show an increase to Great Britain of 320,000 bales, a decrease to Germany of 2,544,000 bales, and a decrease to France of 400,000 bales. On the other hand, Italy made an increase of 490,000 bales and "all other countries" made a gain of 1,430,000 bales. The increase to Italy and "all other countries" was over 2,000,000 bales. The net decrease in exports was less than 7 per cent.

WAR ORDERS IN THE SOUTH.

MANY Southern manufacturers are following the advice of the MANUFACTURERS RECORD and are going into the market for orders for war supplies. Atlanta papers state that the Southern Saw Works and the Atlanta Steel Co. are among the concerns which have recently received contracts, and the Pratt Engineering & Machine Co. is reported as figuring on large orders.

In Baltimore considerable additional contrabands have been closed, and a number of industrial concerns in this city are busy on filling orders from Europe. The Bartlett Hayward Company, recently reported in the MANUFACTURERS RECORD as beginning the erection of a new plant to take care of an order for more than \$12,000,000 of war supplies, is rushing construction work on a large number of buildings, the machinery having been ordered some months ago. Contracts for building material and for steel to be used in the production of shells are reported to have been let.

From a local as well as from a national point of view it is most desirable that the war-munition business should be developed throughout the South. It is interesting, therefore, to see that so many Southern concerns are now going actively into this work.

ACTIVITY AT GADSDEN.

THE Gadsden Evening Journal reports that the industrial interests of that community are rapidly improving. It states that more men are being employed at the Gulf States Steel plant than ever in its history; that President Gwynn of the Southern Manufacturing Co. reports steady improvement in business, and that the Gadsden Car Works is running on full time, employing 700 to 800 men. All of this, it says, is in marked contrast with the same time last year, and the country merchants are reported as looking forward to extensive trade this fall.

COTTON AGITATION LARGELY A FIGHT AGAINST PRESIDENT WILSON.

THE New York World has for the last few days been making some revelations in regard to the widespread German propaganda in this country which ought to open the eyes of the public to the way in which the nation is being used and the people are being hoodwinked by thoroughly misleading and disreputable agitations of many kinds. That the South is being "worked" in this campaign for the express purpose of creating a hostility to the Allies through the unjustified cotton agitation is one of the revelations presented by the World. But these things ought not to surprise the public. Intelligent men everywhere ought to have been able to see through the situation.

Two days before the World began the publication of the revelations which it is now making the editor of the MANUFACTURERS RECORD in the New York Herald of Friday, August 13, called attention to this cotton campaign and to the injury that was being wrought to the South by it. In referring to the statements made the Herald said:

Denouncing as "bunk" the calamity cry that the South will face bankruptcy if Great Britain is not forced to permit cotton to go to Germany, Mr. Richard H. Edmonds, the editor of the MANUFACTURERS RECORD of Baltimore, Md., yesterday declared that a covert drive is being made against President Wilson in Teutonic interests.

He asserted that specious and subtle statements are being spread broadcast on the wings of a cunningly contrived German propaganda designed to frighten Southern cotton growers into throwing their holdings into the market. But back of all the clamor, which he characterized as a piece of chicanery that no end in view can sanction, the editor said, is the determination to prevent the shipment of arms to the Allies and to array America on the side of Germany.

Among the statements made which may be worth repeating here merely to emphasize what the World is now revealing were the following:

In my opinion, said Mr. Edmonds, every effort that can be made to fight Woodrow Wilson is now under way. Thousands of persons, who have not the slightest idea they are being worked for this purpose, are being induced to join in the cry that Great Britain is ruining the South by its efforts to keep cotton out of Germany.

This is not a genuine, honest fight, but an underhand one against President Wilson and in the interest of Germany. Those who are carrying on the German propaganda in this country recognize the sensitiveness of the South in regard to its cotton, which it has worshiped for a century, and they are trying to move heaven and earth to create antagonism to the Allies and at the same time to fight the President. Of the thousands of persons who thus are being misled most of them would be utterly amazed if they fully understood the influences which are back of this scheme.

Disgruntled, self-seeking politicians, who last year predicted the utter bankruptcy of the South if the National Government did not issue anywhere from \$250,000,000 to \$500,000,000 of bonds with which to buy cotton, but who were balked in their asinine policy, are now trying to redeem themselves in the eyes of their constituents. To do this they once more must do all in their power to frighten cotton growers into making them throw cotton on the market and break the price again, as they did last year by their wild talk.

Instead of cotton selling at three or four cents, as one of them predicted to me last fall, they saw the price advanced from five or six cents to nine cents or better, and now they must make some tremendous effort to bring on bad conditions or all their predictions of last year will react on them and prove they were but blind leaders. Blind wilfully or not, they nevertheless were blind, and their work cost Southern growers tens of millions of dollars.

At the beginning of the new crop season they now try to turn the present situation to their own benefit, and through all the agencies which they know so well how to work they again are frightening the cotton growers and insisting that the South once more faces bankruptcy unless Great Britain is forced to permit cotton to go to Germany.

Whether intentionally or not, they surely are working in collusion with the pro-Germans, who are flooding the country with many falsehoods and false schemes to prevent the shipment of munitions of war to the Allies.

The South persistently refused to "go broke" to accommodate these wily politicians. On the contrary, it weathered the storm. It saw its cotton gradually advance in price. It enormously increased its production of foodstuffs. It ran its cotton mills to their fullest capacity. And now it is seeing a very rapid advance in the price of its iron, with an activity which already is beginning to tax the productive capacity of its iron and steel works.

Many of the men who are leading in this pestiferous campaign of pessimism were leaders in the violent outbreak against railroads ten years ago, which almost bankrupted the roads of the South without accomplishing any good whatever for the "dear people," whom they con-

stantly play as "suckers," and who again and again are caught by their false bait.

These men are putting the price of cotton above the honor of the South. They themselves in many instances are being played by the German propagandists for "suckers," and they are biting at the bait as freely as some of their unthinking constituents have grabbed at their bait to their own destruction.

ANOTHER YANKEE TIP TO SOUTHERN MANUFACTURERS.

HOW "Palm Beach Cloth" has been popularized throughout the whole country is suggestive of possibilities to Southern manufacturers. This cloth is made by a company in Sanford, Me., of cotton warp, with mohair filling, by a patented process. So broad an advertising campaign has been carried out that it has become easily the most widely-adopted fabric for summer suiting for men. It is now made in a number of shades and patterns, and the mill's output for 1915 will be over 12,000,000 yards. Careful instructions to dealers and tailors are among the means taken by the manufacturers to establish the fabric in the permanent good opinion of the public.

For generations the men of the Gulf Coast have worn clothing during the summer months that was made of fabrics suited to the season. It is only within recent years that linens, mahairs and other light-weight fabrics have been in any kind of favor with their Northern brethren, even during periods of more oppressive sent than the Gulf Coast cities ever experience. Since the Wilson administration, on the example set by the President himself, and readily followed by the numerous Southern members of the Cabinet and departments, white duck suits are worn on all kinds of occasions, even when attending church, and the fashion has found foothold in New York itself.

Through long experience the custom tailors and the clothing manufacturers of the South, and especially of New Orleans, have acquired a mastery skill in building suits of Spanish linen, duck and other light fabrics. Made wholly without linings, they yet have a shape and a set-up that are the envy of the tailor of the North who is without experience in their line.

It has more than once been suggested that the right kind of an organized effort, with a proper campaign of education and a well-devised marketing plan, might easily result in the introduction of Southern-made summer suits into all the Northern cities.

New Orleans is big enough and skilled enough to undertake the venture, and the success of the Palm Beach makers 'way down east in Maine shows what an organization of Southern suit-makers might do if an adequate effort were to be made.

THE BETHLEHEM STEEL CO. AND BALTIMORE.

MR. E. G. GRACE, president of the Bethlehem Steel Co., in a telegram to the MANUFACTURERS RECORD says:

We have no further thought of purchasing additional property in Baltimore.

This in reply to many rumors published in the daily papers that the Bethlehem Company, which last week bought the Detrick & Harvey Company of this city, would make other purchases and largely extend operations here.

MR. HOKE SMITH of Georgia, United States Senator, Governor of Georgia for two terms and a member of President Cleveland's Cabinet during his second term, might be supposed to represent actually the sentiment of the Southern people.—*New York Herald.*

"Might be supposed" is good. Unfortunately for this section of the country, more than one man of the Hocus Fucus Smith type in the South has succeeded in attaining to high public place in recent years, but their attitudes and utterances are anything but representative of Southern thought and impulse. Sorry, indeed, would be the plight of the South if the contrary were the case.—*The Virginian Pilot.*

Hasten the time when the South shall be truly represented and not misrepresented in National and State legislative halls!

NEWS THAT IS NEWS.

COL. E. J. WATSON of Columbia, S. C., may well pray to be delivered from his would-be friend, the *Evening Mail* of New York, who, in the issue of August 13 published a letter by a special correspondent in which he tells more wonderful things about what Col. Watson succeeded in doing last year than ever entered into the dreams of Watson or any other human being with a modicum of brains. In this wonderful letter, Col. Watson is credited with having sold to English cotton spinners 5,000,000 bales of cotton, and with stating that this 5,000,000-bale supply, over and above the usual needs of English spinners, is now stored in England. Merely to illustrate what kind of stuff the readers of the *Evening Mail* are fed upon, we give the following extract from this letter:

The best way to set forth Colonel Watson's views is to let him tell his own story, but before doing so it may be well to say something about his achievements last year, which he is too modest to speak about himself.

In a recent talk I had with Robert F. Rose, late trade adviser of the State Department, he told me that a young New York cotton broker had saved the situation last year and had raised the price of cotton at least three cents by shipping twenty thousand bales to Germany. A few days later I was told by Senator Hoke Smith that a firm of young men in Georgia, who are engaged in the cotton exporting business, saved the situation by sending fifteen thousand bales to Bremen.

Undoubtedly those exports helped to allay the fear widespread among planters of the South and the financial institutions which handle cotton loans, but such exports were puerile compared with Colonel Watson's achievement. He induced the cotton spinners of England to buy a year's reserve supply, amounting to five million bales. That cotton is now stored in England. It is the British spinners' insurance against a short crop or any other catastrophe which would interfere with their getting supplies of American cotton to meet their normal demands.

The public remembers the visit of Sir George Paish to the United States last winter. Ostensibly he came to consult with the Federal Reserve Board and private New York bankers with regard to financing Great Britain's war purchases in this country and to arrange with them for the conservation of American gold reserves being drained through exports of gold to Canada. That was part of what he accomplished, but the main object of his visit was to purchase five million bales of American cotton, and that sale was brought about by a cable correspondence between Colonel Watson and Sir Charles McCarran, head of the British Spinners' Association.

A few years ago Sir Charles had told Colonel Watson that it was the ambition of his life to obtain a year's reserve of cotton in England. He said he hoped some time to take advantage of a favorable market to do this.

Last winter was certainly a favorable time so far as the American market was concerned. Cotton was selling here as low as 6 cents, and the banks did not have another dollar to lend on it. Colonel Watson, who was in New York, cabled to Sir Charles that now was the time to get his reserve. After a correspondence lasting a week the deal was closed and Sir George Paish came over to buy the cotton and to arrange the financial end. England got its supply cheap, but Colonel Watson says it saved the United States from an embarrassing situation.

And now as England took only 3,771,646 bales for the twelve months ended July 31, or only 320,000 bales more than for the preceding year, where is that extra purchase of 5,000,000 bales which the *Mail* says was bought and shipped to England?

SOME INTERCHANGEABLE TERMS.

IN the effort to stir up antagonism to Great Britain among cotton interests, it has been said that Germany would pay a big price for the South's cotton. This is no doubt true, if the cotton could be delivered in Germany. It is equally true that the Devil would pay a million dollars a ton or more for enough ice delivered in Hades to put out the fires of that region, and then rob mankind to pay the bill. The Kaiser and the Devil, Hades and Germany, or cotton and ice, are in this case interchangeable terms.

CATTLE IN THE SOUTH.

INDICATIVE of the growing interest in the South in cattle production is the convention now in session in Birmingham of the Southern Cattle Men's Association, represented by delegates from all parts of the South and as far out as Texas and Oklahoma. One feature of the convention is to be an "Alfalfa Ball," the idea being to typify in this way the progress that is being made in the growing of alfalfa throughout the South.

Senator Smith's Mistake

[The Atlanta Journal.]

[For many years the Atlanta Journal was accounted as the champion of Senator Hoke Smith—indeed as the very mouthpiece of the Senator. It is therefore peculiarly interesting at this crucial time to find that the Journal cut loose from its old friend and vigorously assails his position on the cotton question as it relates to Great Britain.—Editor Manufacturers Record.]

In their views on most matters of State and National concern Senator Hoke Smith and The Journal have been in hearty accord. It is, therefore, with distinct regret but with emphatic conviction that we demur to the Senator's present attitude toward the issues arising from European encroachments upon American sea rights and toward the Administration's treatment of those issues.

In his recent speech to a convention of New York importers Senator Smith said, in alluding to our case against Germany: "The most aggressive could not wish our Government to do more than has been done." But of the British case, which was the subject of his address, he declared: "It was unfortunate that Congress and the Administration did not take a more vigorous course with reference to those earlier violations, on the part of Great Britain, of American rights * * *," and he suggested further that if the newspapers had printed more regarding British treatment of American vessels and cargoes, "the people of the United States long since would have put a force behind Congress and the Administration which would have stopped the trampling upon the neutral rights of citizens of this country."

We do not wish to misconstrue, and certainly not misrepresent, the Senator's views, but we gather from these utterances that in his judgment the Administration's course in reference to Germany and the Lusitania might have been less positive, while in reference to Great Britain and merchandise it ought to be much more drastic. Indeed, as quoted by the Associated Press, Senator Smith declares:

"I have determined that the only thing to do is to tell Great Britain to revoke the blockade order, or she can have no neutral trade with us."

As to the Senator's interesting and cogent discussion of the purely legal aspects of the British case, there will be scant difference of opinion on this side of the water. Great Britain undoubtedly has interfered with the rights of American commerce, and undoubtedly has overstepped the strict boundaries of international law. But Great Britain has destroyed no American vessels. She has sacrificed no American lives. She has entered upon no piratical course of frightfulness and barbarity. Frankly admitting that in a struggle for her very existence and for the life of democratic government in Europe she is compelled to adopt extraordinary measures to blockade her enemy from outside resources, she has dealt none the less scrupulously with the lives and cargoes of the American vessels she has seized or detained.

While, therefore, the United States has ample reason to protest against British infringements upon the rights of American commerce, it has no reason, as we see it, to deliver an ultimatum or to resort to threats that may precipitate difficulties far more serious and costly than those now existing. It should be remembered, moreover, that the Administration is dealing with the British case diligently and far-sightedly. The fact that the President has not acted in haste is no indication that he will not act with firmness; rather, it is an indication that he will act wisely and for the country's broadest welfare. For our part, we are willing in this matter to trust the interests of the South and of the United States to the judgment and patriotism of President Wilson.

Considered from a purely material or even mercenary point of view, the worst thing that now could happen to the cotton interests of the South or to the interest of any field of American production would be an embargo upon further commerce with the Allies. Senator Smith assumes that a mere declaration on our part that we would forbid exports, particularly exports of munitions, from this country to Great Britain, unless Great Britain ceased her so-called blockade, would end that blockade immediately. But suppose this ipse dixit went unheeded. Suppose we were compelled to act out the threat, and suddenly put a stop to the millions and millions of dollars' worth of trade which American farms

and industries now carry on with England and her allies. What then would become of our billion-dollar balance of trade? What then would happen to Southern cotton and Southern business? If it is simply dollars and cents that we are considering, we can ill-afford to risk a breach that might under us from our most profitable foreign markets and part us from friends whose merchantmen carry the bulk of our oversea commerce.

But the people of the South and of the United States do not regard this issue from the standpoint of dollars and cents alone. They know, at least the thoughtful majority of them know, that the European war is not simply a clash between groups of jealous powers, but a life-and-death struggle between democratic government and military absolutism. As between the mass of the British people and the mass of the German people, we are genuinely neutral. But as between English liberty and Prussian autocracy we dare not, as we honor our convictions and prize our well-being, be neutral. This is a war such as modern centuries have never witnessed, a war of minds and ideals, a war for human freedom and peace against heartless oppression and hate.

Let us not be blinded by thought of momentary or material gain to the mighty and everlasting consequence that hangs upon this struggle. Great Britain and her allies stand as civilization's bulwark against the darkest tide of tyranny that ever beat against the shores of the world. If Prussian militarism now achieves the end for which it has labored and plotted so long, the Old World's dream of democracy will be over, and our brave New World will be called to the reckoning.

Surely, then, if we were patient toward Germany when she destroyed the merchant ship William P. Frye and patient toward all her aggressions until her murderous sinking of the Lusitania, we may be equally patient toward Britain, who has not destroyed one American vessel or menaced a single American life. Surely, as a democratic people, we can afford to be patient toward the powers that are fighting for the principles on which our own happiness and good depend. Certainly, it will profit us nothing to break with them over technical niceties at a time when they are fighting desperate battles which, after all, are our own.

There ought to be no agitation in the South or elsewhere to force the President to hasty or drastic action on this issue. The President and his advisors in the Cabinet—the majority of whom, it may be remarked, are Southern men—are more conversant with all the aspects of the situation than anyone else can be. Ill-informed clamor at the present juncture can do no good, but it may do a vast deal of harm. Let the Southern people keep their heads clear and their hearts loyal, and they may be sure that both their fortunes and their honor will rest secure.

INLAND WATERWAYS DEVELOPMENT.

Call Issued for Meeting at Savannah to Urge Favorable Action by Congress.

The Atlantic Deeper Waterways Association will hold its eighth annual convention at Savannah, Ga., November 9 to 12.

Invitations to attend are being extended to the President and Vice-President of the United States, the Governors of all the Atlantic Coast States, the Mayors of the principal cities within that district and their Senators and Representatives in Congress. The principal chambers of commerce, boards of Trade and commercial and manufacturing organizations will be represented, and the individual attendance is expected to include many men and women prominent in national and local affairs. A program of entertainment will have many attractive features, including, in addition to the business meetings of the convention, trips of inspection to Savannah Harbor, the Savannah River, and of the

two sections of the Atlantic intercoastal waterway which connect with that river a short distance below the city of Savannah, the link which connects Savannah with Charleston and that which is to connect Savannah with Fernandina and Jacksonville, both being a part of the general chain of intercoastal waterways included in the project of the Atlantic Deeper Waterways Association. The program will also include a visit to Tybee Island, where there will be sea bathing, and a visit to Fort Screven, the chief defense of the harbor of Savannah.

"No single fact," says the official call, "has been more fully proved in the present war than the efficiency of the submarine and the destroyer in defense of harbors and coast lines against attack by a hostile fleet. Nowhere else, perhaps, in the whole world does there exist such an opportunity as we have on the Eastern seaboard of the United States to concentrate safely and quickly against any harbor thus attacked any desired number of defending craft through the chain of inside waterways advocated by this association, and in accordance with our suggestions, surveyed and favorably and finally recommended for construction by the Engineer Corps of the United States Army. This is a subject which received some attention at our last convention. It calls now for even greater consideration and action by the National Congress."

Much Constructive Activity at Fairmont.

Fairmont, W. Va., August 14—[Special].—The Consolidation Coal Co. has just let contract for 104 dwelling-houses at its new Helen's Run development. J. M. Kisner & Bro. of Fairmont received the contract for the houses at Idamay Mine, and Nicoli Building Co. of Pittsburgh will build the houses at Carolina. The work on these houses will start at once.

The contract for six miles of railroad for the Fairmont-Helen's Run Railway Co., connecting the B. & O. near Chiefton with the Consolidation mines, Idamay and Carolina, was recently let to J. L. Anderson & Bros., Altoona, Pa. Arrangements for the beginning of this work are now completed, and it will be pushed rapidly to completion.

The work on the new Normal School building, which when completed will cost \$130,000, is well under way. J. L. Crouse of Greensboro, N. C., has the contract.

The paving of 23 miles of road in Fairmont Magisterial District, which includes a part of the city of Fairmont, is more than half completed, and will probably be finished by the first of November this year at a cost of \$500,000. Similar road work is being completed in Mannington District, Marion county, at a total cost of \$400,000 for about 25 miles of road. These roads are of brick and concrete, and are among the finest highways in the country. In addition to these two districts in the county with work well under way, Union, Winfield, Lincoln and Paw Paw are making plans for similar work, with indications that vote will be taken on the proposed improvements this fall.

With the completion of work now under way and that proposed in the above-named districts, Marion county will have the most complete road system of any county in the State.

Coal business in this region is fast assuming normal conditions. Many of the companies are now operating to full capacity, and the prospects for the late summer and fall are very good. With all steel mills running, as it appears they soon will be, all other industries that consume coal will be put into operation, and the coal operators feel that they will be called upon to supply the greatest demand ever made in this community for fuel.

The business men of Fairmont, working through the Chamber of Commerce, are planning large civic improvements. Already the building of new roads and streets has necessitated extension of water and sewer systems, and now that the activity in roads in all directions to and from the city is being pushed as never before, the city feels the necessity of connecting these with adequate bridges spanning the river and ravines here. A concrete bridge about 1400 feet long to cost approximately \$325,000 is under contemplation for the Monongahela River, and another structure, either a concrete bridge or a large fill for Coal Run, costing approximately \$100,000, is being considered in connection with other improvements.

Public Opinion as Voiced by the Press

SMITH'S PLAN "WOULD PRECIPITATE WIDESPREAD CALAMITY THROUGHOUT THE LAND."

The Lynchburg (Va.) News, of which Hon. Carter Glass, chairman of the Banking and Currency Committee of the House of Representatives, is owner, says:

"At a meeting of importers held in New York Wednesday night, Senator Hoke Smith of Georgia and ex-Federal Representative Herman A. Metz of New York were the star performers. The two distinguished orators united in denouncing the blockade policy of the Allies, and both exhibited militant zeal in the furtherance of a propaganda which bears all the outward earmarks of German inspiration. The motives of both were entirely obvious. Senator Smith was influenced by cotton; Mr. Metz by love for the Fatherland and hatred of the Allies. Senator Smith desires to rush the adoption of retaliatory measures against Great Britain, hoping thereby to compel the Allies to open the door by which Germany may purchase American cotton. Ex-Congressman Metz is no less eager that Washington should crack the whip of trade hostility about John Bull's head—not that he cares a whoop for cotton, but that he would care much to Germanize the foreign policy of the Administration. And so this Smith-Metz combination proceeds to do its utmost with a view to imposing its will upon the American foreign policy. The spectacle is not a pleasing one. It does not appeal either to the pride or to the approval of the American people, and it will be received with especial regret by the South. It represents an attitude so featured by material selfishness on the one hand, and so hateful for its lack of patriotic Americanism on the other, that it deserves all the discredit which attaches to prompt repudiation.

"Mr. Smith feels that Great Britain is pursuing an indefensible course with respect to American cotton, and that the Administration is not adequately protecting the rights of that staple to enter German markets. Hence he would have Congress called into extra session with a view to supplanting the Administration's policy with the Smith policy. And what is the Smith policy? Retaliation against Great Britain. And what sort of retaliation? Hear Mr. Smith as he fearlessly avouched before an audience made up in large part of German-Americans Wednesday night:

"If an embargo on arms and ammunition to the Allies should be the only means to stop Britain from trampling upon our sovereign rights, there will be one at least among the 96 United States Senators who will vote for it, and that is myself."

"Brave Smith! If Great Britain remains firm in its present policy, he in effect would swing this republic to the support of the Kaiser's military policy, not by way of remedying the cotton situation, but as a means of punishing Great Britain. All of which suits Metz and the American Metzites down to the ground. But Mr. Smith does not stop with his arms embargo remedy. He goes farther and would have the United States deliver this fiat to Great Britain:

"Recognize our rights or what will you have to eat?"

"If this suggestion means anything, it is the equivalent, substantially, of the following declaration by Washington to London:

"Recognize America's right to ship cotton to Germany, or else America will starve your population, including non-combatants—women, children and aged people."

"Than this, the Kaiser could not well hope for a more valuable service at the hands of the American Government. It would really reflect in effect the presence of an active war-alliance between Germany and the United States—a willingness on the part of the United States to sacrifice hundreds of millions in foreign trade, with the Allies the victim of the strategy and Germany infinitely the gainer. Aside from its moral aspects, it may well be wondered in what light the Smith retaliation remedy will appear to the wheat-growers of the United States—to all the agricultural interests of the United States—including cotton. The notion if breathed into actual policy would, by cutting off American commerce with all the countries of Europe, spell agricultural desolation and ruin in America as well as hunger, starva-

tion and death abroad. In brief, Senator Smith advocates the application of destructive processes to a situation that obviously demands constructive treatment. He actually contemplates and urges the crucifixion of industrial America in order to satisfy the appetite of resentment—even of revenge.

"An American-declared embargo upon American foodstuffs will not relieve the cotton situation—it would mean merely the closing of Europe's entire market to the South's cotton crop. And the two conditions would precipitate widespread calamity throughout the land.

"The exigency calls for constructive designs, constructive measures. If Great Britain, feeling that her national existence is at stake, classifies cotton as absolute contraband, surely we are not going to clash in war with the Allies because of the fact. And if we do not propose to resort to that extremity, it would obviously be far better to leave the matter in the hands of an administration at whose head stands a statesman of recognized patriotism and ability, and who is endeavoring by every means known to diplomacy to relieve the situation of its untoward bearings."

GOOD COMES OF EVIL.

[Knoxville (Tenn.) Sentinel.]

It is an ill-wind that blows no good. The disaster that befell the Southern cotton-growers last fall through the outbreak of the European war and which threatens to pursue them to some extent this fall also has led to various improved methods for handling and marketing the crop. One great handicap to the grower in the past has been the lack of warehouse facilities for storing and holding his crop which contributed largely to the practice every season of rushing the cotton to market and depressing the prices for the time being by a temporary glut of the demand. With the slump last September in the price came the desire and necessity on the part of the growers to hold their cotton for living prices, and the chief obstacles encountered were the lack of warehouse capacity with facilities for handling, storing and certification that would have permitted of raising necessary ready money to tide over the owner until a more favorable market. Various schemes were proposed and advocated for the relief of the cotton-growers, including the expediency of the Federal and State governments buying or financing the crop at 10 cents a pound and of the legislatures creating State-owned warehouses.

Fortunately these paternalistic schemes did not receive such encouragement as to cause them to materialize to any considerable extent in concrete experiment, but the urgent need of improvement in the methods of marketing the great Southern staple seems to have made appreciable impression upon private and corporate finance and enterprise in various quarters, with happy results and prospects for the systematic extension of these results. It is announced that with the incoming of this year's cotton crop New Orleans alone will be prepared to handle and store 2,000,000 bales in the splendid new warehouses now approaching completion in that city.

Texas cities, like Galveston, Houston and Dallas, appreciating the New Orleans enterprise and fully aware of the necessity in their centers of the crop for similar storage, are in a mood to follow New Orleans' example, notes the Cincinnati Enquirer. Dallas is moving to finance a system of warehouses. The immediate question with Dallas, the Enquirer says, is whether to start with temporary structures to house the crop of 1915 or to commence work on the permanent concrete buildings, after the New Orleans plan, which provide for the most advanced accessories for automatic weighing, bale-pullers, by which any bale may be removed from its place without disturbance of others, concrete railways, electric carriage and all facilities of most improved kind. In that city there is now storage capacity for its largest possible receipts of cotton. An idea of the advantage of this enterprise may be had from the single fact of reduction of insurance from \$1.25 to 10 cents per bale.

Other cities of the cotton belt are moving in the matter of providing ample warehouses with facilities for handling, insuring, certifying cotton which will prove of incalculable benefit to the cotton States in future.

HAS SOUTH LEARNED LESSON?

[Spartanburg (S. C.) Herald.]

One year ago the South permitted itself to be more or less misled by politicians and others who preached that the remedy for the situation was to be found in Washington. It was told that Congress would finance the cotton crop; that the buy-a-bale movement would solve the problem. The result is too well known to merit comment. The propaganda being so insidiously distributed now takes a different course, but it is even more insidious in its pleadings than the appeals of last year. The farmers are being told that the great remedy is to cause the President to call an extra session of Congress to discuss measures for making Great Britain to time, to make it possible for our cotton to reach Germany or any other port to which we may choose to send it. It is to be hoped that the people of the cotton-producing States have kept the hardships of last fall too fresh in their memories to be misled into thinking that immediate remedy is to come from the nation's capital. We do not believe that the great majority of the people of the South have any desire to embarrass the President in his dealings with either England or Germany. They are trusting in his sincerity and his patriotism, as well as his proved good sense, to do the very best thing possible in this situation. The interests of the South have rights, but certain ways of trying to get them might do more harm than good. The Administration at Washington is giving its best thought to the solution of the question, and it is a blessing that it is not hampered by a great noise of blustering oratory in Congress in such a delicate situation.

The trouble with the stuff that is being dealt out to the Southern cotton planters is that it is calculated to make the planters think that they are, of all people in the world, the most dependent on other power than their own native sense and business acumen. If there has been any lesson in the present conditions brought by the great war, it is that the farmers of the South must learn to live more independently—"to live at the same place." Just at present there is not any great prospect that conditions in the cotton market are going to be any better this fall than last, and it may be that the price will be lower, but this will not matter so much to the man who has had a part in growing the greatest grain crop that the South has ever produced. One of the most hopeful signs to be seen on a journey through South Carolina just at this time is the large fields of beautiful young corn, showing the large acreage that was planted in wheat and oats. In a great many of the towns a flour mill is doing a good business. There is also a large acreage in old corn and the yield promises well. These facts and a renewed interest in the growing of livestock will go far to diminishing that breed of farmers who look to Washington and whine because something is not done to England.

The attention which the hue and cry now being made gets from the farmers of the South will be an indication of whether the lesson has been learned or whether the dose will have to be repeated.

SOUTH'S HONOR NOT FOR SALE.

[New York Financial America.]

Sentiment—by which we mean an appreciation of a moral aspect rather than a vague reflection of economic conditions in the mind of any individual—is coming into its own again in the business life of our Republic; coming slowly, and with much ground yet to be won, but none the less surely. Here and there, nowadays, we find a willingness to give expression to the underlying recognition of the fact that there is something to a bargain besides hard-headed business; that loyalty to a proper perception of the moral aspects of a transaction is a greater thing than material success in the handling of a deal.

By way of illustration, we take much pleasure in calling attention to the following from the MANUFACTURERS RECORD. * * *

We are fully convinced that the South will neither lose its business sense nor allow its moral discernment to become calloused through any exigencies of the present situation.

Press and People of the South

HE'S LOOSE AGAIN!

[Macon (Ga.) Daily Telegraph.]

Senator Smith of Georgia grows so ingenuous at times that he is positively delightful. It is refreshing to find pink-cheeked innocence in the hardened ranks of professional politicians, one of which he claims to be. In fact, we have this Bryanesque administration stalwart telling a lot of finger-burned New York importers, sore because their treble profit war shipments have been seized and held for adjudication, that the contention of some—The Telegraph presumably, as we have several times raised the point direct to the Senator—that the Civil War furnished Great Britain the "deadwood" on the United States is all bunk. He then cites two cases which after the war a solemn tribunal on international affairs ruled exceeded the temper and meaning of international law. So encouraged, the importers promptly assaulted the State Department for relief.

It is not just exactly a question of international law and precedent, as our revered senior Senator should know very well indeed, if he has given this matter the study he so redundantly informs us he has devoted to it. The real situation is that Great Britain did recognize—under protest—every blockade the United States put on during the Civil War, and that the United States waged its warfare with the commerce of the South entirely tied up—by the unwilling sufferance of England. That England took the points involved to an international tribunal and reversed the mandate of the American Government on it after that war does not alter the fact that the United States set up just what England is setting up now and England recognized the expedient, and abided by it while it was an expedient. After the hour of expediency had passed England took her protests to court and got the decision—just as the United States may take individual protests of her own to court after this war and get the decisions; and what they amount to.

That's the situation, gentlemen. It's thoroughly understood in Washington and by nearly all the rest of the country, except those whose palpable and immediate self-interest has impelled them into an easily pardonable activity to change the eternal stars in their courses, to kick international noblesse oblige into a cocked hat, because huge profits already seemingly within their grasp were suddenly diverted into an international chancery court.

As to the senior Senator, it is a matter of felicitation perhaps that he has transferred his operations and perambulations to New York instead of Georgia. He's less liable to do real damage up there, even if he is under the benevolent and protecting wing of The Fatherland, official American organ of Germany, which professes to admire him tremendously.

DANGER OF FARMERS BEING FRIGHTENED BY POLITICIANS.

[Dallas (Tex.) News.]

"There will be no cotton panic this year," according to an article in the Wall Street Journal, which was reprinted in The News the other day. The implication that there was a cotton panic last year is true beyond the chance of denial, and it is equally true that that panic contributed more than any other single cause to depress the price of cotton. The Wall Street Journal's prediction that there will be no cotton panic this year is made rather confidently, but, while it is not so nearly certain as it assumes, the likelihood of a repetition of that folly is small. There is still a danger that the farmers will be led by the clamors of politicians into conceiving the outlook to be much worse than it is, and, consequently, into accepting the first price that is offered to them. To do that would result, of course, in surrendering the advantage which is now theirs to the spinners and to those whose interest it is to cheapen the price of cotton. But it ought to be said, to the credit of the politicians, that they are much less meddlesome active and vociferous this year than they were last. They seem disposed to yield precedence to bankers and business men in making the campaign for cotton, and, happily, the bankers and business men have ac-

cepted the leadership with an earnestness that promises success.

The campaign will be won or lost in the very first stage. If the farmers manifest nervousness, an eagerness to rid themselves of their cotton without much regard to the price, they will probably lose it. They will then enable their adversaries to intrench in the sense that, being then in no urgent need of cotton, they can wait for the necessities of the farmer to work in their interest. But if, in the beginning, the farmers show a greater disposition to store than to sell, unless, of course, prevailing prices should be distinctly good, they will make the necessities of the spinners work for them. The spinners will test out the spirit of the growers by offering in the beginning less than they expect to pay, and the outcome of the contest will be determined very largely by the response which the growers make to these overtures. They ought not to be stampeded by the exaggerating statements that are being made as to the consequences of the English blockade. They can put the German and Austrian shares of this year's cotton crop in storage, and by doing that get something like a normal price for what is kept out of storage. Even if Great Britain should make cotton contraband, the consequences need not be disastrous for the cotton growers.

SMITH STRAYS FAR AFIELD.

[Charlotte (N. C.) Observer.]

We believe Senator Hoke Smith passed the line of safety when he asserted that Great Britain is selling cotton to Germany through Holland, or, for that matter, through any other channel. The inference is that England would subvert the National spirit of honor to one of sordid greed, taking advantage of the fabulous prices Germany is said to be paying for cotton. The "Cracker" streak in Senator Smith seems to be coming out. He appears to have drifted into a strange environment—from that of the South's family of Administration supporters to the anti-Administrationists embodied in ranks of the New York importers. The Observer could not endorse any policy intended to embarrass the Washington Administration in its efforts to secure a satisfactory solution of the embargo problem. If the South has friends anywhere, they are to be found at present in the White House. It is through these friends that relief from present conditions in the foreign trade is to come. It would be fatal to the hopes of the South were the Government to plunge into a policy of retaliation, such as advocated by Senator Smith. The only reason this country is not supplying arms and ammunition to Germany is because it is impossible to get them to that country. German contracts would be of as eager acceptance here as contracts from the Allies, and to shut off this source of revenue in a retaliatory spirit would simply be to cut off the cotton nose of the United States to spite its steel face. Nothing is to be gained by such combustible talk as Senator Smith is making. Senator Smith is in line with the South in a desire to have an open way to the markets of the neutral countries for cotton, but he is out of line with the South in the manner by which this end may be brought about.

AS VIEWED IN NORTH CAROLINA.

[Newbern (N. C.) Sun.]

The editor of the MANUFACTURERS RECORD in a long article states that the wild agitation and excessive cotton production, not the war, are what is hurting the South. And there is no doubt but that this is exactly right. There seems to be an effort on the part of some men, most of them politicians, to picture the South as almost bankrupt on account of the low price of cotton. While, of course, the farmers are being hurt to a certain extent by the low price of cotton, it is nothing like as bad as these agitators would have it appear. The best thing to do is to let these men rave and carry on as much as they like and completely ignore them. The South has passed through situations even worse than this one, and it will pass through this one safely if the farmers and others can be prevented from listening to these professional agitators and trouble-makers who are working for their own gain and advancement.

SMITH ROCKS THE BOAT.

[Mobile (Ala.) Register.]

Opinion, as we gather it, is that Senator Hoke Smith, in insisting that cotton shipments be made the subject of a note by President Wilson as strong as the note to Germany on the Lusitania, and that Great Britain be warned that the interruption of the cotton shipments will be regarded as "deliberately unfriendly," is overdoing the part. The Administration should set forth our full rights, but the situation is so different that a demand as strong as that made upon Germany would be a bad misplay. The Georgia Senator's insistence upon the making of it is equivalent to rocking the boat. The South seems willing to leave the handling of the cotton question to President Wilson rather than to Hoke Smith, and will be wise in doing so.

GASTON AVENUE BAPTIST CHURCH.

Dallas, Tex., August 10.

Editor Manufacturers Record:

I want to thank you for a recent issue of the MANUFACTURERS RECORD sent me, and to express my admiration of your spirit, your courage, your vision. Go on with the weary battle! You are on the winning side, for you are on the side of truth and righteousness.

I want to tell you again how tremendously delighted I am over the position you have taken in respect to the situation in the South and our relation to the European war. I exult over you.

HENRY ALFORD PORTER.

FIRST BAPTIST CHURCH.

Durham, N. C., August 14.

Editor Manufacturers Record:

I have just returned to the city, after quite a round of engagements, and, notwithstanding it is Saturday, I have taken time to read the MANUFACTURERS RECORD of the fifth. The sermon of Dr. Jones is thrillingly interesting, and your letter to the New York Herald is thought-provoking too.

By degrees our Southern farmers are learning to raise two or three things other than cotton and tobacco. I spent a night this week with a modest farmer, who told me he had departed from his custom this year and planted no cotton at all. But he is hauling a load of watermelons to market every other day, and these bring him from \$12 to \$15 per load. He is giving most of his attention to corn, fruits, vegetables, etc., and is delighted with the change.

JOHN JETER HURT.

BOSTWICK SUPPLY CO., INC.

Merchants, Cotton Buyers.

Bostwick, Ga., August 14.

Editor Manufacturers Record:

I have read with interest your several articles with reference to the present cotton situation, and your views are far-reaching indeed. We, of course, do not face an encouraging outlook this fall, but, nevertheless, what better way can we bring prosperity than upon the same principles of faith, integrity and economy? Why do some of our business people, among the farmers especially, waste their valuable time talking "war-times"? Let them go to work. Talking not only brings things to a standstill, but retards prosperity. Such conditions as we now face show the strong man, who takes to work while the weaker brethren take to the woods.

R. E. L. SNELSON,
Secretary and Treasurer.

BLACKSBURG MACHINE AND IRON WORKS.

Blacksburg, S. C., August 12.

Editor Manufacturers Record:

I agree with you that it would be well for every factory South that can make things will be a help to the Allies to get busy. In fact, I believe it will be well for everybody who feels an interest in the future to do what he is able to assist in the defeat of Germany.

It seems to me we could use our foundry and machine shop to make shells. But I have no idea to whom to apply for specifications and other details. Perhaps you do. And if so I will appreciate any information you can send me.

JOHN F. JONES.

Much of this business is being handled through the export department of J. P. Morgan & Co. of New York, though other agents are constantly asking for bids on work.—EDITOR MANUFACTURERS RECORD.

Durham, N. C., August 9.

Editor Manufacturers Record:

I read with a great deal of pleasure your communication

Public Opinion As Voiced by the Press and People of the South

[Continued.]

in the New York Herald with reference to the handling of the last cotton crop.

You are exactly right in everything you said, and, like you, I protest that the South, the richest land on earth and full of opportunities, play the pauper act. There was no occasion for it, and it was a shame that it was so, and I am glad that one in authority like you "spoke out in meeting."

J. S. CARR.

Atlanta, Ga., August 13.

Editor Manufacturers Record:

I wish to congratulate you on your splendid editorial, "Don'ts for the Cotton Growers of the South," in your issue of August 12.

R. M. HUDSON.

A MATTER OF DOLLARS AND BLOOD.

[Louisville (Ky.) Courier-Journal.]

The Courier-Journal reprints this morning an article in which the New York Herald, alike with discretion and patriotism, and upon full information as to the man and the section, warns its readers not to accept certain utterances of Senator Smith of Georgia as a reflection of Southern sentiment. The gist of the Herald's admonition is that an outcry of cotton speculators, or representatives of the cotton speculators, must not be mistaken for the voice of the South. The nutshell symposium of Southern newspaper opinion, presented in substantiation of the position taken, throws a flood of light upon the situation.

It is an axiom of international affairs that altruism never dictates the policies of nations. It might be said, with equal or greater truth, that compassion never affects the course of speculation. The Vicksburg Herald no doubt knows whereof it speaks when it says that the band of cotton traders who would have America go to war with the Allies to raise the price of cotton conspired successfully last autumn to spread a calamity howl and frighten planters into sacrificing their crops upon a death-trap market. The activities charged are characteristic of the crafty speculator. It is the sleek, familiar procedure of those who gamble upon the labor and property of those who create the wealth of the world by the "mintage of brawn and brain."

The American Government should, of course, hold all belligerents to a strict accountability for their infringement of the rights of this country or its citizens. We should not kowtow to one foreign country more than to another. It would be unwise, as well as unfair, to regard the British as friends and the Germans as enemies, basing upon that idea leniency toward British imposition and severity toward German imposition. But the difference between the controversy with Great Britain over the detention of cotton and the controversy with Germany over the murder of American citizens is the difference between a civil suit and a criminal prosecution. That difference is recognized by the South, and the South is misrepresented by whatever Senator Smith says to the contrary.

It is not an "unfriendly act," within the diplomatic meaning of the term, for Great Britain to detain a ship-load of cotton, nor was it an "unfriendly act" for Germany to send the Frye or the Leelanaw to the bottom of the ocean. But it is an "unfriendly act," in every sense, to murder neutral citizens, men, women and babes-in-arms, upon a passenger ship. No harangue for or from speculators interested in cotton can confuse these separate issues.

The discussion with Great Britain relates to dollars. That with Germany relates to blood. Americans must keep the distinction well in mind.

THE SANER THOUGHT.

[Austin (Tex.) Statesman.]

Just about a year ago the South was plunged into the depths of business despair. No man could see anything ahead but breakers. Everybody was blue. Business was stagnated. That condition existed for many months. On many it worked hardships and many people did have trouble.

And then—those who were suffering began to look

for relief. They determined that they could find it but one way. They must adjust themselves to conditions. They have done so.

The results speak for themselves. Now we find the pessimists few. We find credit conditions better. The farmers will have warehouses where they may store their cotton and get advances thereon if the market breaks unreasonably. The financial system has been adjusted to meet the needs of the tillers of the soil and the Federal Reserve system is beginning to show its worth. Many of those who lived beyond their means have trimmed their sails to meet the situation. The merchants are buying more sanely. We find that everywhere there has been an adjustment.

What has happened is exactly what should happen. A land of milk and honey should never be made to suffer. If it suffers, it suffers because its own people fail to do those things they should do for themselves. Our people have profited by the past. The future looks brighter for them.

MORE SOUTHERN DEMAGOGUES.

[Staunton (Va.) Leader.]

The South in recent years has been a fruitful field for demagogues and the crop has been abundant, many Southern States having been recently represented in both houses of Congress by a rank lot. They have been advocating all sorts of political nostrums, persuading the ignorant that they would improve conditions if the people would send them to Congress. Just now there is said to be a number of new men running for the nomination to Congress on the cotton issue. They are attacking the Wilson Administration for trying to stick close to international laws and customs, and insisting that all such considerations be disregarded, and that the Allies be forced in some way to permit shipments of cotton to be made to all countries without any restrictions. To enforce their demands on the Allies they would have this country cut off all shipments of grain and other foodstuffs from this country to any of the allied countries. They have not stopped to ask what the Western States that have the grain to sell will have to say in regard to this foolish suggestion; nor have they figured

cut what they are going to do with the cotton the Allies have been buying from this country, if they lose this market, for they will lose this market and not gain the ones they are striving for. Their best customers have been the British, and if they lose the British trade they will have to go around with a placard on their breasts saying, "Help this poor man," and be in dead earnest about it, much more so than when last fall they were begging people to buy a bale of cotton.

But for the general derangement of business due to a breach with the Allies it would do a good lesson for the South if it lost the British market for cotton for a while, as nothing else seems likely to bring our Southern brethren to their senses.

The demagogues who are riding this hobby are, of course, simply interested in getting to Congress, few of them ever expecting to do more than twist the British lion's tail and hurl anathemas at the Allies for consumption back home, putting their failure to do anything on somebody else, Mr. Wilson just now being the object of their abuse.

GUILTY OF MORAL TREASON.

[New York World.]

German money and German intrigue have done much to muddle sentimentalists and mushy-minded Americans as to the moral obligations of their Government in respect to the sale of munitions of war. In the light of The World's revelations, it is time that these people gave serious consideration to their own moral obligations toward the Government. Are they pro-American or are they pro-German? If they are pro-American, they will loyally sustain the President, regardless of their own befuddled conceptions of international law. If they are pro-German, they will continue their efforts to embarrass their Government for the benefit of Germany. There can no longer be two American sides to this question. There is a German side and there is an American side, and the American who now further—the German paid propaganda is guilty of moral treason toward the republic.

G. Gunby Jordan on Cotton Situation

[Special Dispatch to Manufacturers Record.]

[No man in the South is in a better position to view the whole situation than Mr. Jordan. As a banker for many years, as one of the largest manufacturers of cotton goods in the South and intimately associated with cotton-growers as with other Southern interests, he knows the whole situation.—Editor Manufacturers Record.]

Columbus, Ga., Aug. 16.

England will doubtless declare cotton contraband. It is believed she has undoubted legal right to do so. This action has been largely discounted. It is also believed that Great Britain will arrange to purchase a large amount of the present crop of cotton, or so take care of it as not to injure interests of planters.

The export trade of European countries will not be seriously interfered with, as countries doing most of this will continue to receive cotton.

Exports of United States show that unbleached goods are not going out in usual quantities; bleached goods slightly increased, and hosiery and colored goods show marked increase. The very high consumption by mills in America is best evidence that much cotton goods is being used for military and other purposes.

Unfortunately, hosiery mills and colored textile-goods mills are badly handicapped for lack of dyes, and the situation is rather alarming. Heroic efforts are being made in America to meet the situation, but it will take much money and a good deal of time, not to mention chemists and engineers, to overcome the lack of dyes from Germany.

The cotton crop is a fair one, but it shows unmistakably the lack of fertilization in its fruitage. The composite experience of the experiment station of Georgia for 15 years shows that August has the largest rainfall of any month. While we are short of rainfall in Georgia thus far, it may be that the balance of the month will make the average good.

Prompt action of the reserve banks and all private and State banks in an earnest, honest effort to assist the farmers and owners of cotton, together with the very large increase in modern warehouses, especially those automatically sprinklered, will make the handling of the cotton crop this fall a very much easier and cheaper matter than it was last year.

Nothing that was expected happened last year, and possibly we may be as agreeably disappointed this year. The general feeling in the South is one of hopefulness, and as the crop was made very cheaply, doubtless it will be held firmly until a fair price is obtainable. Several large mills using dyestuffs have been shut down in the North and South, and the further fact that many mills in New England and in the South have considerable stocks of cotton bought last year are the two worst drawbacks I know of.

G. GUNBY JORDAN.

The Honor of the South

By CHARLES E. CHIDSEY, Attorney-at-Law, Pascagoula, Miss.

[Mr. Chidsey writes: "I must apologize for again making more comments on the cotton situation, but when the honor of the nation is at stake we must be up and doing."—Editor Manufacturers Record.]

The British Government, acting in conjunction with its allies, is giving the cotton situation its continuous and most earnest consideration. The Government is fully aware of the importance of cotton to America. We fully understand that upon a satisfactory adjustment of the matter depends to a considerable degree the welfare of nearly a quarter of the population of the United States. The welfare of the whole population of Great Britain, however, is involved, as well as that of all Great Britain's allies, for whom the British Government is acting in these and other matters concerning contraband and trade.

The fundamentals of the situation are quite clear. The Allies must by all lawful means prevent cotton reaching their enemies. That is a vital military necessity which all the world will recognize.

At the same time, and equally important, consideration must be given to a great cotton-producing country like America and to consuming countries like Sweden, Norway, Denmark and Holland. A policy must be devised which will respect the legitimate rights of neutrals and yet safeguard the legitimate interests of the Allies and inflict as much damage as possible upon our enemies.

Cotton has not yet been declared contraband, but under our blockade all cotton which is believed to be destined for Germany is stopped. It may be considered necessary to make cotton contraband. There is a demand in the allied countries that this should be done. There is assuredly ample justification for the action if it is deemed necessary.

Cotton is a very important, an essential ingredient, in fact, of propulsion explosives. Copper is contraband by all the laws of the nations, and yet in the present war cotton has been shown to be more important than copper. There may be a substitute for copper in making munitions of war. For cotton there is no known substitute. If American cotton goes through to Germany the Germans use it to kill allied soldiers. Therefore, cotton must not go to Germany.

Making cotton contraband would be a distinctly legal action, and can be internationally justified beyond protest. So far as American cotton is concerned, however, the problem of marketing cotton on this side would undergo little change. American cotton destined for Germany is now stopped. If the product were made contraband it would be stopped in the same manner. The principal difficulty would be that if cotton were contraband, shipments from America, which were suspected of being for Germany, would be seized and would be liable to confiscation.

The foregoing is an excerpt from the remarks of Lord Robert Cecil as given in the Associated Press dispatches in the Times-Picayune of New Orleans this morning (August 14), and his statement that cotton can be made contraband of war is correct, based, however, upon the fact that it is an essential ingredient of propulsion explosives or can in any way be used by the enemy in his contest with his adversary, and his view is sustained by ample judicial precedent in this country.

The first case to which we need refer is the case of *United States vs. Dieckmann*, 92 U. S. 520-530, 23 Law Ed. 742, and it was a case in which the vessel *Essex* sailed from Liverpool for New Orleans June 19, 1862, and arrived on August 14, the city at that time being in possession of the Federal troops under General Butler, and practically in a state of siege by land but opened by sea, and under martial law. The commanding general had instructions from the Government to take active measures to prevent supplies of any kind from leaving the city which could afford aid to the rebellion, and pursuant to this he issued his orders to prevent the exportation of money, goods or other property on account of any person known to be friendly to the Confederacy, and gave direction that whenever an attempt was made to convey such articles he should be informed so that he could make an investigation.

In September, 1862, he received notice that a large quantity of clothing made in Belgium for the Confederacy was lying at Matamoras awaiting delivery because the Confederate government had failed to pay for it, and that another shipment of \$500,000 more was delayed in Belgium because of non-payment of the first shipment. He also had notice that payment for the first shipment would be forwarded through the agency of some foreign counsel, and this was correct. He had additional information that a large quantity of silver plate and bullion were being shipped on the *Essex*, then loading for a foreign port, by a person who had declared himself an enemy of the Federal Government, and others who would not enroll themselves as friends

of the United States. The articles were seized and held for investigation, and the United States Supreme Court, through Waite, Chief Justice, inter alia, said: "What is contraband depends upon circumstances. Money and bullion do not necessarily partake of that character; but when destined for hostile use or to procure hostile supplies they do. Whether they are so or not under the circumstances of a particular case must be determined when some necessity for action occurs. At New Orleans, when this transaction took place, this duty fell upon the general in command. Military commanders must act to a great extent upon appearances. As a rule, they have little time to take and consider testimony before deciding. The success of their operations depends to a great extent upon their watchfulness."

Whether or not Lord Robert Cecil is familiar with this decision is unknown, but it sustains him so far as that cotton can be made contraband when destined for hostile use or to procure hostile supplies, and this depends upon circumstances.

The second case turns upon somewhat different circumstances, but is equally as strong. (See *Young vs. The United States*, 97 U. S. 39-63, 24 Law Ed. 902.) In this case one Collie, a citizen of Great Britain, was engaged in the business of running the blockade of the ports of the Confederacy, and carrying arms, gunpowder, armor plates for war vessels, army clothing, cannon, shot, ammunition and quartermaster and medical stores, and taking back large quantities of cotton, which he received in payment of the munitions, etc., that he sold to the Confederate States. It was shown that he fitted out a vessel and made a present of it to the Confederacy, and also a present of money. At the time the Federal forces occupied the city of Savannah, Ga., Collie had 3000 bales of cotton and 1757 bales of Sea Island cotton of the value of \$950,076.71, which the Federal Government seized and condemned as the property of an enemy, it being shown that the cotton was paid for by Collie with the money he received from the Confederate Government for the munitions, soldier clothing, etc., that he had sold it.

Waite, Chief Justice, read the opinion of the court, saying: "All property within the territory of the enemy is in law enemy's property, just as all persons in the same territory are enemies. A neutral owning property within the enemy's lines hold it as enemy property, subject to the laws of war, and if it is hostile property, subject to capture. It has never been doubted that the arms and munitions of war, however owned, may be seized by the conquering belligerent upon conquered territory. The reason is that if left they may upon a reverse of fortune of war help to strengthen the adversary. To cripple him, therefore, they may be captured, if necessary, and whether necessary or not must be determined by the commanding general, which is his superior. The same rule applies to all hostile property. A neutral may trade with both belligerents or with either. By doing so he commits no crime. His acts are lawful in the sense that they are not prohibited by law. So long as he confines his trade to property not hostile or contraband and violates no blockade, he is secure in his person and his property. If he is neutral in fact as well as in name, he runs no risk. But so soon as he steps outside of actual neutrality and adds materially to the warlike strength of one belligerent he makes himself correspondingly the enemy of the other. To the extent of his acts of hostility and their legitimate consequences he submits himself to the chances of the war into whose presence he voluntarily comes. If he breaks a blockade or engages in contraband trade, he subjects himself to the chances of capture and confiscation of his offending property. If he thrust himself inside the lines of the enemy and for the sake of gain acquires title to hostile property, he must take care that it is not lost to him by the fortunes of war. While he may not have committed a crime for which he can be personally punished, his offending property may be treated by his adverse belligerent as enemy's property. He has the legal right to sell and to buy, but the conquering belligerent has a corresponding right to capture and to condemn. He enters into a race of diligence

with the adversary and takes the chances of success. The one may hold if he can and the other seize."

These cases amply justify the contention that if cotton shipped from this country to a foreign port, for the purpose of conveying it to a belligerent who may use it as a material of war against his enemy, or if the proceeds of the sale of such cotton may be used to aid and assist either belligerent against his adversary, the cotton may be made contraband of war. These decisions show that a belligerent has under the law of nations a right to use every means in his power to prevent munitions of war, or goods that may be used by his adversary against the belligerent, from reaching him, and this must be done by blockading the enemy's ports and patrolling the high seas.

This has been made clear by Marshall, Chief Justice, in the case of *Church vs. Bubbart*, 2 Cranch, 186-238, 2d Law Ed. 265, who, speaking for the court, said: "The authority of a nation within its own territory is absolute and exclusive. But its power to secure itself from injury may certainly be exercised beyond the limit of its territory. Upon this principle the right of a belligerent to search a neutral vessel on the high seas for contraband of war is universally admitted because the belligerent has a right to prevent injury done to himself by the assistance intended for his enemy. Any attempt to violate the laws made to protect this right is an injury to itself which it may prevent, and it has a right to use the means necessary for its prevention. These means do not appear to be limited within any certain marked boundaries, which remain the same at all times and in all situations."

The law of nations is founded upon the eternal principles of justice, which no legislature can repeal and no court can annul. International law "is a set of rules recognized by the most powerful commonwealths of mankind," says Dr. Paul Vinogradoff, the eminent jurist, consul of Oxford, England, and productive of innumerable consequences in practice, and yet the element of direct coercion is absent from them. There is no coercive force that may compel a nation to observe the rules of international war law save war, yet the nations most advanced in civilization have through their courts always recognized and so far as lay within their power have enforced its rules even against their own governments. In one of the earliest cases reported in this country, in the Court of Oyer and Terminer for Philadelphia, 1784, the court said that "the law of nations forms a part of the municipal law of Pennsylvania" (1 Dall. 41, 1 Law Ed. 59), and so it does of every State and nation. It is as universal as the air we breathe, and the courts of the land will recognize it and enforce it. In *Hilton vs. Guyot*, 159 U. S. 108, Mr. Justice Gray, speaking for the court, said:

"International law, in its widest and most comprehensive sense, includes not only questions of right between nations, but also questions arising under what is usually called private international law, or the conflict of laws, and concerning the rights of persons within their territory and dominion of one nation by reasons of acts, private or public, done within the dominion of another nation, is part of our law and must be ascertained and administered by the courts of justice as often as such questions are presented in litigation between man and man, duly submitted to their determination."

And it is equally the duty of everyone to recognize this law and conform to its rules and aid in its enforcement, for it is as much the law of the land as though it was written in the statute-books of every State. We have endeavored to show what is the law of nations as interpreted by the highest judicial tribunal of this nation and one of the most august in the world, and by that interpretation we must stand or fall—there is no middle course.

The specious plea made by some that the South, for the sake of a temporary expediency, should exert pressure upon Woodrow Wilson that he bring coercive force to bear upon Great Britain to permit cotton of the South to go to Germany, where it may be used by that nation against its adversary, and in direct violation of the law of nations, is a plea that must not find any responsive chord in the breast of any Southerner. The South must not barter its honor for gold.

"Shall we now

Contaminate our fingers with base bribes,
And sell the mighty space of our large honours,
For so much trash as may be grasped thus?
I had rather be a dog, and bay the moon,
Than such a Roman."

Increasing Ship Building Activities in Baltimore

IMPROVEMENTS BY THE BALTIMORE DRY DOCKS AND SHIPBUILDING COMPANY.

The contract secured by the Baltimore Dry Docks and Shipbuilding Co. of Baltimore to build two triple-screw steel oil-tank steamers for Christoffer Hannevig of Christiania, Norway, as reported in the MANUFACTURERS RECORD last week, is claimed to be the first instance of Norwegian ships being built in the United

runway, as mentioned, will extend through the ship-fitting shop and connect at the other end with a spur from the Baltimore & Ohio Railroad lines. These additions to the yard's facilities will cost about \$100,000.

Miscellaneous repairs to the amount of \$40,000 have been made to the equipment and \$60,000 worth of gen-



ONE OF TWO STEEL OIL BARGES RECENTLY BUILT FOR THE HUASTECA PETROLEUM CO. BY THE BALTIMORE DRYDOCKS & SHIPBUILDING CO.

States. The vessels will be sister ships, 293 feet long by 47-foot beam by 28 feet deep. Each ship will be equipped with three 600 horse-power Bolinder explosive engines. The engines are of Norwegian manufacture. These two vessels will be the first of their size to be equipped with this type of engine. The ships will cost cost approximately \$500,000.

The purchaser has an option with the builder of the vessels for duplicates of the two contracted for. The chances that the option will be taken up are said to be good.

Important improvements to the yard will be made to take care of the building of these two ships. The yard has heretofore been occupied principally with repair work and the building of much smaller boats, which accounts for the necessity of additions to handle the contract mentioned.

On the harbor front, lying parallel to each other, just far enough apart for an overhead crane to operate between, are being constructed two building slips to have capacity of ships 325 feet long by 50 feet beam by 32 feet deep. All under-water portion will be constructed of timber piles. Some of the piles to be used as support were previously driven. Where sound, the old ones will be utilized in the present work. Above water sections on the lower ends the slips will be reinforced concrete. The upper ends will be rushed up in timber, to be replaced later with concrete.

A 20-ton revolving overhead electric crane will operate between the slips. The boom, 65 feet in length, will move 40 feet above the slips on a runway 340 feet long. Contract for this crane and runway has been let to the American Bridge Co. of New York at a price of about \$25,000.

Standard-gauge track will run from the crane runway, through the present repair shop, to the new ship-fitting shop to be erected in the rear. This building will be 220 feet long by 60 feet wide, of steel construction. Contract for its erection has been awarded the Chesapeake Iron Works of Baltimore. Contract for the tool equipment of the shop was let to Hilles & Jones Co., Wilmington, Del., at about \$25,000. A five-ton overhead electric crane, included in the equipment, has been bought from Richard Morton, Equitable Building, Baltimore. It will come from the Northern Engineering Co., Detroit, Mich. The track connecting with the crane

eral repair work is planned for the near future. Prominent in this are extensive repairs being made to the dry dock just above the building slips under construction. Decayed timber is being replaced with reinforced concrete. At the head of the dock will be built a slip for small craft of 150 feet in length and under. By a unique arrangement this slip is to be built into the head of the dock so that launching will be made direct into the dock. This was necessitated by a shortage of waterfront. The slip will be served by a five-ton 50-foot-boom railway crane, operating on track at its side.



UNITED STATES STEEL SUCTION DREDGE SAN PABLO NEARING COMPLETION AT YARD OF BALTIMORE DRYDOCKS & SHIPBUILDING CO.

The shipyard at present is doing the largest amount of work it has ever done. Nearing completion on the building ways is the steel suction dredge, San Pablo, for the United States government, to be used in and about San Francisco harbor and Panama Canal. This vessel is 155 feet in length by 35-foot beam by 17 feet depth, with a tonnage of 1000. Her hoppers have a capacity of 500 cubic yards. She is so equipped that she can either deposit material in her hoppers for carriage to sea and dumping there, which is the usual plan with such craft, or pump it over her sides, through pipeline, to shore. Her cost is \$212,000. She will be launched August 21 and completed in October. Two steel oil barges for the Huasteca Petroleum Co. of Los Angeles, Cal., were recently completed at the yard. They will be used about New York and the New England Coast. These barges have dimensions 206 feet long by 30-foot beam by 11.6 feet deep, and 128 feet long by 30-foot beam by 11.6 feet deep. They possess carrying capacities of 7000 and 3500 barrels, respectively. The cost of both was about \$85,000. The steamship Anita, formerly of the West Indies trade, is being practically rebuilt, at a cost of \$70,000, for the Baltimore & Carolina Steamship Co. of Baltimore.

The work being done and the improvements being made to its facilities by the Baltimore Dry Docks and Shipbuilding Co. are notable, not so much for the magnitude of the operations as for the marked improvement they show of a typical unit of an industry that is commanding wide attention at the present.

Foremost among the men whose business vision and executive ability have wrought the plant's evolution from the old Skinner Shipbuilding & Dry Dock Co.'s yard may be named Holden A. Evans, general manager, J. M. Willis, assistant general manager, the two practical shipbuilders on the ground, and William C. Seddon, treasurer, to whom is largely due the successful financing of the enterprise.

Marked Increase in Use of Hydrated Lime.

In a report on lime production in 1914, made by G. F. Loughlin of the United States Geological Survey, the statement is made that "the most marked feature of the lime industry since 1906 has been the rapid growth in the production of hydrated lime, which in 1913 had increased over 300 per cent. in both quantity and value. The output in 1914 was 515,121 tons, valued at \$2,239,916. During the year 126,136 tons of hydrated lime was used for fertilizer. The number of hydrating plants was increased from 80 in 1913 to 82 in 1914."

Resolutions on Cotton Situation

COLUMBUS CHAMBER OF COMMERCE NOTIFIES GEORGIA'S SENATORS AND CONGRESSMEN THAT IT STANDS BY THE PRESIDENT.

The Chamber of Commerce of Columbus, Ga., has served notice on "the cotton stampers" that it is with President Wilson and has no sympathy with the wild agitators who are trying to arouse a clamor for drastic action by this country against England. It will be noted that the Georgia Senators and Congressmen are especially put on notice as to the flat-footed stand the Chamber of Commerce takes. A letter from Leland J. Henderson, secretary of the organization, states the case as follows:

"Noting the article in the August 5 issue of the MANUFACTURERS RECORD, entitled 'Cotton Stampers,' reference is made to the circular sent out by the Chamber of Commerce of Montgomery to force the administration's hand in the cotton controversy with Great Britain.

"I take pleasure in quoting to you a resolution adopted by the Chamber of Commerce of Columbus, Ga. Columbus has 46,000 people and handles about 300,000 bales of cotton annually. The resolution reads as follows:

"Whereas, sundry organizations have requested the

directors of the Columbus Chamber of Commerce to express themselves in the matter of England's interference with the shipment of American cotton goods to neutral countries and interruption of trade between the United States and Austria, Turkey and Germany; therefore, be it

"Resolved, That the directors of the Columbus Chamber of Commerce do hereby express their confidence in the President of the United States and praise and approve his negotiations with England with regard to the matter, and hereby authorize the secretary of the Columbus Chamber of Commerce to transmit copies of this resolution to the President of the United States and to the Georgia members of Congress.

"Columbus, Ga., July 14, 1915."

"This resolution was signed by 14 of the 17 directors of the Columbus Chamber of Commerce, the others being out of the city.

"The board of directors of the Columbus Chamber of Commerce is made up of cotton warehousemen, supply men, newspaper owners, merchants, bankers, manufacturers, wholesale dealers; in fact, the leading citizens of the community."

A New Development for Lake County, Florida.

After having successfully built up the towns of Winter Haven, Lake Hamilton, Dundee, and concluding the sale of property at Starr Lake, Polk county, Florida, W. J. Howey of the W. J. Howey Land Co., Chicago, writes that he has acquired 80,000 acres in Lake county, and proposes to build a central town, to be called Howey, on the banks of Lake Harris, near Yalaha. It is proposed to spend approximately \$100,000 in improvements, such as a 50-room hotel, stucco over brick-veneer and modern in every respect; bank building, approximately \$10,000; store building, brick or stone; install electric-light and ice and water-works plant and put water in the streets and boulevards. Development will be started within 60 days.

Combined with citrus fruit development, attention will be given to natal hay and stock raising. Of natal hay it is said that it will produce three cuttings of one to two tons per acre with fertilizing, and the hope is expressed by Mr. Howey that the \$10,000,000 paid out by Florida for its forage crops shipped in from the Central States may be saved to the people of Florida.

A \$300,000 Electric Plant.

Approximately \$300,000 will be invested by the Kentucky River Power Co., Hazard, Ky., for its electric plant to transmit electricity throughout the coal-mining district of Hazard. This company was recently organized and has its main office at Hazard, with R. L. Cornell as general manager and engineer in charge. Its plant building will be constructed of reinforced concrete and steel, while its electrical transmission system will extend 15 miles and cost \$25,000. About 5000 horsepower will be developed. Prices are wanted on line hardware, copper wire, insulators, steel towers, line tools, etc.

A \$15,000 Hosiery Mill Addition.

An expenditure of \$15,000 will be required for building and equipping a plant for the Defiance Sock Co., Charlotte, N. C. Contract has been awarded to R. L. Goode of Charlotte for two buildings of mill construction, each two stories high. The mill machinery has been purchased.

Maysville Cotton Mills.

Plans and specifications have been completed by J. E. Sirrine, Greenville, S. C., for the Maysville (Ky.) Cotton Mills' building, lately mentioned. This building will be three stories high, 116 feet long by 70 feet wide, of slow-burning mill construction, contract having been awarded to Harding & Simons of Maysville, Ky.

Big Drainage Operations in Florida.

Geo. B. Hills of Jacksonville, Fla., engineer-manager for Florida of Isham Randolph & Co., consulting engineers, one of the foremost engineering concerns of America, in a letter to the MANUFACTURERS RECORD gives the following interesting facts about great drainage operations to be undertaken in that State:

"Isham Randolph & Co. have recently submitted report covering complete main and lateral drainage system for Lake Largo-Cross Bayou Drainage District, in Pinellas county, Florida. The district comprises approximately 13,000 acres of land. The report and plan of reclamation have been adopted by the board of supervisors. The estimated cost of work is approximately \$100,000. The board of supervisors are about to take up the matter of a bond issue to provide funds, and would be pleased to communicate with representatives of bond houses regarding same. Proposals for construction will be received as soon as funds are available.

"Upper St. John's Drainage District—Surveys have been completed by this firm for this district, comprising 265,000 acres of river bottom lands extending from Fellsmere to Cocoa, Fla. The report and plan of reclamation is now under preparation and will be submitted within 20 days.

"Lake Ashby Drainage District—Petition will be filed with the Circuit Court in September for the creation of the Lake Ashby Drainage District, in Volusia county, Florida, comprising approximately 40,000 acres of land located near New Smyrna, Fla. Legal work by Vans Agnew & Crawford of Jacksonville and Kissimmee, Fla., and engineering work by Isham Randolph & Co.

"The Atlantic Beach Corporation of Atlantic Beach, Fla., has turned over to Isham Randolph & Co the entire supervision and direction of construction necessary for completing sanitary sewerage system. System includes six miles of wet sewer trench work, two pneumatic sewage lifting stations and Imhoff tank."

Big Cold-Storage Plant for Sea Foods.

The Newport News Fish & Ice Corporation will establish at Newport News, Va., what is planned to be the largest sea produce cold-storage plant on the Atlantic coast. A site has been given on land owned by the city on the municipal harbor. The initial investment in building will approximate \$100,000, and it is expected to have the plant in operation within six months. This company will also have in operation a general cold-storage plant for any commodities requiring refrigeration. Arthur Langley & Co., bankers, Boston, have financed the corporation, which has as its officers Louis Feuerstein of Norfolk, president; J. J. Lane of Providence, R. I., vice-president and general manager; Earle

C. Huckins of Newport News, secretary-treasurer. The corporation has purchased a large building once used as a brewery, and will move a part of this structure to the new location, where the machinery, ammonia pipe and other cold-storage equipment will be used. The work of building will be under the supervision of a superintendent, and it is understood the supplies and machinery are nearly all contracted for.

An Offer for \$10,000,000 of War Munitions.

The Spedden Shipbuilding Co., Baltimore, through E. L. Norton, president, has received an offer of a contract for \$10,000,000 or more of war munitions. Mr. Norton states to the MANUFACTURERS RECORD that if necessary arrangements can be made by which different branches of the work will be taken over under sub-contract by various manufacturers and financial support can be obtained the contract will likely be accepted. Mr. Norton states the contract would be for munitions of divers kinds.

Receives First Cargo of Oil.

Upon the arrival, Monday, of the tank steamer Charles E. Harwood, with oil from Tampico, the Prudential Oil Corporation, Curtis Bay, near Baltimore, received its first cargo. The tanker brought 1,252,844 gallons of crude petroleum, which were pumped into the company's storage tanks. Full details of the Prudential Oil Corporation's plant were published several weeks ago in the MANUFACTURERS RECORD.

To Manufacture Sulphuric Acid.

A five-chamber plant with an annual output of 12,000 tons of sulphuric acid for manufacturing commercial fertilizer is to be built by the Arkansas Fertilizer Co., H. M. Bennett, president, Argenta, Ark. It will cost from \$80,000 to \$100,000, and will include fireproof buildings to contain the equipment of machinery. Steel, hollow tile and sheet lead construction will be involved, about 300,000 pounds of the lead to be required. Electric power will be installed.

25,000 Spindles and 500 Looms.

The Thomaston (Ga.) Cotton Mills has arranged for a 25,000-spindle addition to its plant, manufacturing ten-quarter sheeting. This company has purchased the looms, 500 in all, from the Draper Company of Hopedale, Mass., and each loom will be driven by an individual electric motor. Plans of the company for an additional mill, etc., were announced in April, and it is reported that about \$500,000 will be expended.

Falls Manufacturing Co.

A \$100,000 mill for the manufacture of No. 30 cone cotton yarns will be built at Granite Falls, N. C., by the Falls Manufacturing Co. It will be equipped with 5000 spindles and accompanying machinery. The new company is being organized by D. H. Warlick, G. H. Geitner and others.

Textile Notes.

W. H. Childrey, Haw River, N. C., will establish a hosiery knitting mill driven by electric power, and has purchased all the equipment.

Neville S. Bullitt, Keller Building, Louisville, Ky., has indefinitely postponed organization of hosiery mill company lately noted.

Ashcraft Cotton Mills, Florence, Ala., will add new machinery costing \$35,000 and has awarded the contracts for this equipment.

Arlington Mills, Gastonia, N. C., will build a two-story 200x60-foot addition of brick mill construction, costing \$20,000, the contract having been awarded to J. A. Jones of Charlotte.

Many Millions for Public Improvements

FIGURES SHOWING EXPENDITURES BEING MADE FOR MODERN HIGHWAYS AND PUBLIC IMPROVEMENTS WHICH DEMONSTRATE THE SOUTH'S FAITH IN ITSELF AND ITS FUTURE.

The measure of a nation's advance in wealth and in appreciation of the benefits of public improvements may be taken by the spirit evidenced in expenditures for highways and streets and kindred work.

No land of poverty and pessimism ever does great things in public work.

Every land of prosperity and optimism shows its faith in itself and at the same time indicates its prosperity by broad expenditures for improvements of this kind.

Judging the South by these truisms, we can see how this section is advancing in prosperity, how it is spending millions for betterments, and at the same time we can recognize that these very improvements will add enormously to the prosperity and optimism of the South.

Throughout the South and Southwest during the last year or two, and increasing in activity from week to week, there has been remarkable progress in public improvements under way and projected. These improvements include not only the building of highways, long and short, and the betterment of streets and the building of sewerage systems and water-works, but schools, courthouses and every other line of municipal and county activity. The building of roads, however, has been the marked and predominating feature of these activities, though other public improvements have claimed a large share of attention.

The greatest expenditures are being made for highway improvements, and while actual definite figures are not available to give the exact total, it is believed that \$70,000,000 will not be an outside figure for this class of construction under way or so far advanced in projection as to insure its building.

With a view to giving something of a bird's-eye view of what is going on, the MANUFACTURERS RECORD recently asked the officials of the counties, cities and towns of the South for a summary of public improvements under construction or definitely proposed. The answers thus far received, while representing only a small proportion of the counties and cities of the South, are so illuminating as to what is being done that without waiting for replies from all, we are giving in the following pages the facts so far received. These represent public improvements of over \$20,000,000, and if other counties and cities from which reports have not yet been received are doing proportionately as well, then this section as a whole is carrying forward public work conservatively estimated to approximate at least \$200,000,000.

At a time when pessimists are talking as though the South were poor and helpless, this section is demonstrating to the world its financial ability and its faith in itself by the expenditure of these vast sums for public work. Herein is found the striking proof of the faith of the people in themselves, in their section and in the benefits to be derived from these great investments of capital.

Taking only here and there illustrations from some of the reports that have been received, the following facts will prove of interest.

From Alabama reports come showing Henry county expending \$90,000 for roads under construction; Monroe county \$28,000, with plans to spend \$50,000 a year for road improvement for the next five years, while Lamar county has sold \$50,000 in bonds for the improvement of 40 miles of roadways.

In Arkansas, Carroll county proposes to expend \$30,000 to build 15 miles of road and \$20,000 for a bridge. Dallas county plans 35 miles of roadways to cost \$125,000. Perry county has bonds available for \$90,000. Miller county proposes to build 60 miles of road, costing \$300,000.

Florida has shown remarkable activity in highway improvement. Clay county will sell this month \$150,000 in bonds for roads. Pinellas county has voted this month on a bond issue of \$715,000, and Volusia county has already voted \$750,000 for highway improvement. Altogether it is estimated that this year Florida counties will vote a total of \$3,000,000 for road improvement.

In Georgia, Cobb county reports 200 miles under construction, to cost \$400,000. Decatur county will spend \$60,000 a year on roads and bridges.

In Kentucky, Fayette county will vote in September on a \$300,000 bond issue for roads, and Knox has already voted \$200,000.

East Baton Rouge parish in Louisiana has under construction 48 miles of gravel roads costing \$223,000, for which bonds were sold. Terrebonne parish is building 25 miles of roads costing \$175,000.

In Maryland the State Roads Commission is completing an expenditure of over \$17,000,000 building State highways, in addition to the regular work carried on by the counties themselves and with State aid. Baltimore county, Maryland, has under construction 28 miles of roads costing \$260,000, and 50 bridges at \$26,000.

In Mississippi, Jones county is expending \$55,000 for grading and graveling roads. Kemper county has sold \$150,000 in bonds for roads, courthouse and schools. Lee county has already spent \$650,000 on concrete and macadam roads, and now has under construction 11 miles of concrete and 38 miles of macadam roads to cost \$305,000. Warren county has 28 miles under way to cost \$336,000.

In North Carolina, Alexandria county has voted \$150,000 for bonds for road improvement. Lenoir county has a complete system outlined to cost \$150,000. Macon county has bonds for roads under construction costing \$90,000.

In Oklahoma, Cleveland county has made an estimate to raise by direct tax \$42,000 for roads, and is discussing a \$150,000 bond issue.

In Tennessee seven counties alone voted last month bonds aggregating \$1,642,000, and with other appropriations will spend approximately \$2,500,000. These counties

include Claibourne, Scott, Blount, Carter, Sullivan, Hancock and Union. In addition to these, Humphries county has 225 miles under construction to cost \$250,000, for which bonds have been sold. Knox county has sold \$500,000 in bonds to be spent for roads and bridges. Perry county has under construction 100 miles costing \$100,000; Sevier county, 80 miles costing \$185,000.

The enthusiasm of West Tennessee counties is also marked, as indicated by the fact that in one day last month 10,000 men volunteered their services, together with 5000 teams and built 150 miles of roadway from Paducah, Ky., to Memphis, Tenn.

In Texas, Collin county has let contracts for roads to cost \$450,000 in the McKinney Road District, while an additional \$450,000 is being expended in two other road districts in the county. Reeves county has voted \$100,000 in bonds for roads. Liberty county is just completing a system of roads under bond issue of \$475,000. Smith county has under construction 200 miles of roads costing \$300,000.

In Virginia, Buchanan county is planning road work to cost \$81,000. Dickinson county has \$86,000 in bonds for roads. Fauquier county has 28 miles under construction costing \$84,000, and proposes to expend an additional \$150,000. Grayson county will also expend \$150,000 for roads.

West Virginia, which heretofore has been one of the backward States in highway construction, is rapidly coming to the front, and an enthusiasm is being displayed throughout the State. Campbell county has voted \$600,000 for improvement of roads. Road county has 10 miles under construction to cost \$100,000, and Wetzel county is spending \$150,000.

The cities of the South are also very active in building modern streets, and reports show great activity in this connection.

Baltimore is now engaged in spending millions in practically repaving the entire city, following the construction of a sewerage system which is being completed at a cost of \$35,000,000.

Helena, Ark., is spending \$60,000 for concrete storm-water sewer, and is planning to build new streets to cost \$41,000. Paragould, Ark., is improving 60,000 square yards of streets, to cost \$129,000.

Clearwater, Fla., is making large sewer and water-works improvements at an aggregate cost of \$118,000, and Sarasota has awarded contracts for 60,000 square yards of brick and asphalt streets to cost \$112,600.

In Georgia, Rome is expending \$325,000 for municipal building and bridges, and Savannah nearly \$700,000 for streets, sewers and schools, and proposes to spend an additional \$725,000 for sewers, library and auditorium, while it also has plans for extensions on which estimates have not as yet been made. Decatur, Ga., has bonds for \$50,000 for public improvements, and Cartersville is expending \$85,000 for streets, sewers, water-works and schools. Columbus has under construction water-works system costing \$500,000, and is just completing hospital at \$100,000.

Lexington, Ky., has under construction streets, sewers, schools and viaducts costing \$475,000, and proposes to spend \$500,000 more for streets, sewage-disposal plant and schools.

Laurel, Miss., is laying 61,000 square yards of pavement costing \$95,000, and is spending \$20,000 on sewers and water-works and \$25,000 on schools.

Chillicothe, Mo., has under construction streets, sewers and water-works costing \$290,000.

Oklmulgee, Okla., is spending \$105,000 for two schools, and proposes to spend \$95,000 for streets, and has bonds for \$100,000 for park improvement.

Columbia, S. C., is expending nearly \$450,000 for various city improvements.

San Antonio, Tex., has under construction 180,000 square yards of streets, costing \$400,000; 10 miles of sewers at \$200,000, and it has awarded contracts for 300,000 square yards of streets at \$600,000, a hospital building to be built in conjunction with the county costing \$250,000. This work is all being carried forward under a bond issue of \$3,450,000 sold in November, 1913. San Antonio is also proposing to issue special bonds for \$500,000 to cover sewerage extension.

Norfolk, Va., has sold \$68,000 in bonds for public improvements. Pulaski has streets under construction costing \$110,000 and school costing \$60,000. South Boston votes this month on \$100,000 bond issue for streets, water-works, fire apparatus, etc.

These various items are cited among the cities, counties and towns reporting, but in addition many others not reporting are known to be showing as great and in some cases even greater activity.

On the whole, however, these items, coming from every section of the South and Southwest, strikingly emphasize the great interest being shown by all sections toward securing modern public improvements and how willing they are to bond themselves to carry them forward.

As the South continues to expand and grow, as it is bound to do, due to its wonderful resources of mine, forest and field, public improvement work will be undertaken in a much larger way.

Alabama Counties.

HENRY.

Under Construction.

Roads: 68 miles..... \$96,000
Bridges: 12..... 9,500

MONROE.

Under Construction.

Roads: 28 miles..... \$28,000
Bridge (steel)..... 5,000

Proposed.

Roads (in next five years).... \$250,000
Bridge (steel)..... 4,000

This county has just finished paying

for a courthouse which cost \$75,000. It was built by the issuance and sale of county warrants. Improvements on jail about \$7500. This was also made by issuance of warrants; paid for in that manner. The county has no bonded indebtedness and only owes about \$5000, which is not due until next year. The income of the county is \$43,000. Assessed valuations this year will be \$5,000,000. Have about 40 miles of graded roads completed; built by county convicts. About 20 miles of roads were built by J. U. Blacksher of Uriah at his own expense. He also built 10 miles of graded road, which he has presented to the county. This makes a total of say 60 miles of graded roads and 20 miles of graded and graveled roads.

We expect to spend not less than \$50,000 per year for the next five years, including the statutory labor. We have a law requiring the payment of \$5 per capita or work 10 days on the road. There are about 6000 people in the county liable to road duty. We expect to levy a special tax of 2½ mills, which will produce about \$12,000 per annum, and the court of county commissioners may appropriate such amount as they deem necessary out of the general fund. We will probably hold an election to issue bonds within next 12 months. Have never had a bond election. The town of Monroeville has just spent \$3500 in improving its streets, all the streets being nicely graded and graveled for a distance of one-half mile from courthouse in each direction.

The new railroad, Gulf, Florida & Alabama Railway Co., has resumed work and they have about 1500 hands employed between this place and the Alabama River. This road traverses this county for a distance of 50 miles and will pay to the State and county when completed in this county about \$10,000 in taxes. They are about ready to begin work on the bridge across the Alabama River. The road is in operation from Broughton to Pensacola.

We have splendid corn crops in this section; it looks as if we will be able to feed ourselves.

LAMAR.

Under Construction.
Roads: 40 miles..... \$50,000
Bridges (steel) 4..... 6,000
Bonds (sold)..... 50,000

Alabama Cities.

BESSEMER.

Under Construction.
Schools: Two additions..... \$22,000
Bonds..... 30,000

FLORENCE.

Under Construction.
Streets: 1 mile gravel..... \$5,000
Sewers: About 1 mile.

Proposed.
Streets: 5 miles gravel, cement curbs..... \$30,000
Sewers: 2 to 3 miles.
No bonds yet sold. Soon will be offered.

Arkansas Counties.

CARROLL.

Proposed.
Roads: About 15 miles..... \$30,000
Bridges: 1..... 20,000

We propose to build macadam road from Eureka Springs, Ark., to Seligman, Mo., and bridge White River. State highway engineer is now making survey. No date has been set for voting on bond issues.

DALLAS.

Under Construction.
Roads: 4 miles..... \$10,000

Courthouse: Recently finished. 75,000
Schools: 2..... 5,000

Proposed.

Roads: 35 miles..... \$125,000

MILLER.

Under Construction.

Drainage: 10,300 acres..... \$50,000
Levees: 25 miles..... 150,000
Levees: Repair work..... 75,000

Proposed.

Roads: 60 miles..... \$300,000
Drainage: 2500 acres..... 10,000

PERRY.

Under Construction.

Schools: 1 (bonds sold)..... \$29,000

Proposed.

Roads: 30 miles (bonds not sold)..... \$90,000

SALINE.

Under Construction.

Roads: 5 miles..... \$8,000
Bridges: 1 (36 feet, iron).

Proposed.

Water and sewerage for Benton; work to start August 1. \$85,000

Arkansas Cities.

BENTON.

Proposed.

Streets: 30 blocks grading.... \$2,000
Water-works: 175,000 gals.... 90,000
Bonds for water-works..... 90,000

A road five miles long from Benton to Bauxite, costing \$8000, will be built by private subscription. The 30 blocks of grading in town will be built by contract, paid in city scrip. The work will begin on water-works and sewers at once.

FORT SMITH.

Under Construction.

Streets: 1600 square yards... \$1,800
Water-works: Extension of mains..... 26,500

HELENA.

Under Construction.

Storm sewer (concrete)..... \$60,000

Proposed.

Streets: 18,000 square yards.. \$41,000
Sanitary sewers: 1 mile..... 3,800
Bonds (sold)..... 40,000

PARAGOULD.

Under Construction.

Streets: 60,000 square yards bitulithic..... \$129,000
Water-works: Steel standpipe, 100,000 gallons..... 25,000

Proposed.

Streets: 5000 square yards bitulithic..... \$10,000

Under new Alexandria road law, 10 miles of road will be built in this district. No estimates yet available. Also under construction in Paragould are New Majestic Theater, costing \$4000, and new hotel, "The Vandervoort," costing \$80,000.

Florida Counties.

CLAY

Proposed.

Roads: About 30 miles..... \$120,000
Bonds (to be sold Aug. 16).. 150,000

FRANKLIN.

Under Construction.

Roads: 10 miles..... \$6,000
Drainage: Area about 50 miles 1,000

Proposed.

Roads: About 25 miles..... \$15,000
Schools: 1..... 30,000
Bonds (sold)..... 50,000

OSCEOLA.

Under Construction.

Roads: 25 miles..... \$75,000
Courthouse: Improvements... 1,000
Schools: 3..... 15,000

Proposed.

Roads: 4 miles..... \$15,000
Bridges: 1..... 1,000
Bonds (to be voted upon August 9)..... 70,000

PINELLAS.

Proposed.

Roads: 65 miles brick..... \$715,000
Bonds (to be voted in August) 715,000

Bond issue will probably carry. Contract already provisionally let to Edwards Construction Co., Tampa.

ST. LUCIE.

Under Construction.

Courthouse and grounds..... \$50,000

Proposed.

Roads: 40 miles..... \$60,000

SANTA ROSA.

Under Construction.

Bridges: 3..... \$25,000
Schools: 3..... 35,000
Bonds (sold)..... 25,000

TAYLOR.

The Board of County Commissioners are contemplating calling an election to determine whether bonds shall be issued for hard roads.

VOLUSIA.

Proposed.

Roads: 80 miles..... \$750,000
Bonds (voted)..... 750,000

Bond election has carried for \$750,000 for constructing hard roads. After validation of bonds same will be advertised for sale, as will also contracts for work.

Florida Cities.

CLEARWATER.

Under Construction.

Streets: 21,000 square yards brick..... \$42,000
Sanitary sewers: 2 miles; storm sewer, 1 mile..... 26,000
Water-works: Extension of mains..... 50,000

Proposed.

Streets: 2000 square yards... \$4,000
Water-works: New well.
Schools: 1..... 10,000

The paving under proposed work will be advertised for bids very soon. Letting probably August 15. No bonds. All assessments. Several other streets will probably be let under all assessment plans this fall. Island Park bridge and railway franchise was voted on recently and granted. Project includes about 1 mile of tile bridge, with steel draw to Blind Key, and about one-half mile from Blind Key to Tate's Key. The railway will run from Park, on Gulf of Mexico, to city limits, east about 3 miles, and may be later extended to Tampa, 30 miles. St. Petersburg Investment Co. states it will extend its electric line to Pinellas Park at once and to Clearwater in one year. Pinellas Electric Co. promises to extend electric-power line from Brooksville to Clearwater soon. Current from hydro-electric plant at Dunnellon. Bond issue of \$715,000 for brick county roads in

Pinellas county will be voted on in August. Will probably carry. Contract already provisionally let to Edwards Construction Co., Tampa. If carried, 65 miles of roads will be built and Clearwater will have great benefit.

SARASOTA.

Under Construction.

Streets: 60,000 square yards brick and asphalt..... \$112,000

Contracts were awarded here July 24 for asphalt and brick paving as follows: Southern Asphalt & Construction Co., Birmingham, Ala., 40,000 square yards of two-inch asphaltic concrete, at \$1.10 per square yard; 20,000 square yards of rock foundation, at 53½ cents per square yard, six inches thick; five miles of 30-inch over all combination curb and gutter, 51.8 cents per foot; Georgia Engineering Co., Augusta, Ga., 20,000 square yards of brick paving, using Augusta block with asphalt filler, \$1.03 per square yard.

TALLAHASSEE.

Proposed.

Streets: Paving, curbing, etc.
Bonds (available)..... \$34,000

Bids will be received September 9 for above work.

Georgia Counties.

BURKE.

Under Construction.

Schools: 1..... \$29,000
Bonds (sold)..... 19,000

CHARLTON.

Proposed.

Roads: 20 miles..... \$20,000
Bridges: 1..... 5,000

There have never been any bonds, either municipal or county, voted in this county, but there is now on foot a move to vote for bonding county, some local school districts and municipal bonds for Folkston to provide for general improvements on roads, public buildings and schools.

COBB.

Under Construction.

Roads: 200 miles..... \$400,000
Bridges: 5 (steel and concrete)..... 8,000

We have about 1143 miles of roads in the county. We are trying to improve them all by grading and top-soiling them. We have the Dixie Highway on the Sherman and Johnson road, which goes through the entire county, graded and top-soiled. We have recently built 24 steel and concrete bridges. Five more are under construction and another proposed. We are spending about \$70,000 per annum on roads and bridges in the county. No bonds are to be issued for the construction of any work.

COWETA.

Under Construction.

Roads: 15 miles..... \$37,500
Bridges: 5 (steel and concrete)..... 7,500

DECATUR.

Under Construction.

Roads: 100 miles sand-clay... \$10,000
Bridges: 3..... 5,000

Proposed.

Roads: 100 miles..... \$10,000
Bridges: 2..... 2,000

Decatur county, Georgia, has 800 miles of public road, all of which has been

widened to 28 or 30 feet, graded and surfaced. One-half of this mileage has been surfaced with a properly-proportioned sand-clay mixture, making a hard, smooth surface, eliminating sand beds and boggy mud. The work of surfacing all this mileage with sand-clay is progressing. This work costs about \$300 per mile.

All wooden bridges are being taken out and replaced with steel structures on concrete abutments, and the most-used bridges are equipped with concrete flooring. For waterways and drains we are using galvanized-iron culverts.

The county is working on the roads about 80 convicts, distributed into five squads, located in different sections of the county. Each squad is equipped with graders, dump wagons, plows, tools and about 15 mules. Each squad is directed by a foreman and guards. The county superintendent of roads is a practical engineer and overlooks all work.

We are spending about \$60,000 per year on roads and bridges, raised by taxation. We have no bonded debt.

ELBERT.

Under Construction.

Bridges: 1.....\$10,000

Proposed.

Public auditorium.....\$2,000

County authorities, using convict labor, are endeavoring to do as much permanent road work as possible each year.

LEE.

Under Construction.

Roads: 15 miles.....\$12,000

Bridges: 2.....500

Election held July 7 in regard to issuing bonds by the county authorities resulted favorably for the issuance of \$35,000 bonds. The matter is now before the Judge of the Supreme Court for validation.

LINCOLN.

Under Construction.

Courthouse.....\$26,270

RICHMOND.

Under Construction.

Roads: 11 miles (convict labor).

Bridges: 2 (concrete).....\$5,000

Proposed.

Schools: 1.

All of our road and bridge work is done with convict labor; hence we are doing all we can to get the money to pay for the materials. We are expending about \$5000 to \$6000 on concrete bridges each year. Hope to have every stream in the county covered in three years or more with a permanent bridge.

TROUP.

We have built in Troup county within the last five years about 350 miles of graded earth roads. We are now busy maintaining them. Are surfacing with sand-clay, top soil and gravel. The city of Lagrange has just completed a \$50,000 high-school building which is said to be the best in the State of Georgia.

WAYNE.

We have not undertaken any new public improvements this year. Under our State law we are required to work our convicts on the public roads. This we are doing and are making progress. You will, of course, understand that we are putting our present roads in better condition—that is, by the convict labor—and while we are not going ahead with the

establishment of new roads, yet, as already stated, we are doing considerable work on the roads previously granted. This work consists in regrading the roads, making them wider in many places, and in many ways making substantial improvement. No bonds outstanding. No election contemplated at this time.

WORTH.

Under Construction.

Roads: 83 miles.....\$12,388

Georgia Cities.

BARNESVILLE.

Proposed.

Streets: 16,000 square yards.

This work is only under consideration. We will decide within a short time what we will do. We think we will build a concrete roadway, and will be glad of any information which will assist us in comparative merit of the different pavements now being used.

BRUNSWICK.

Under Construction.

Schools: 1.....\$8,000

CARTERSVILLE.

Proposed.

Streets.....\$15,000

Sewers and drainage.....60,000

Water-works.....5,000

Schools.....6,000

Election to be held August 14, 1915, to vote on \$86,000 bonds to cover above improvements.

COLUMBUS.

Under Construction.

Sewers.....\$12,000

Water-works: 6,000,000 gals. 550,000

Schools: 3 additions.....10,000

Hospital: Just being completed. 100,000

DECATUR.

Under Construction.

Streets: 20,000 square yards..\$7,000

Sewers: About 3 miles.....15,000

Schools: 3 completed; one being built.....25,000

Bonds.....50,500

FITZGERALD.

Proposed.

Street curbing for parks:
About 10,000 feet.

The city of Fitzgerald has done more during this year in the way of street building, new streets having been made and graded with hard-clay pebbled soil, and the city now contemplates putting in stone curbing on a number of the streets, parks, etc.

LAGRANGE.

Under Construction.

Sidewalks: 2 miles.....\$6,864

Sewers: 3 miles.....11,880

Schools: 1.....7,000

QUITMAN.

Under Construction.

Streets.....\$65,000

Water-works.....40,000

Proposed.

Public library.....\$14,000

New postoffice.....50,000

ROME.

Under Construction.

Municipal building.....\$100,000

Bridges over rivers.....225,000

Rome is now under commission government, and does not contemplate any ex-

tensive improvements except those under construction, for which bonds were partly issued. However, we contemplate building a hospital at the cost of \$50,000 in the next 12 months, for which bonds are authorized.

SAVANNAH.

Under Construction.

Streets: 40,000 square yds....\$70,000

Sewers (trunk): 12 miles....527,447

Schools: 1.....60,000

Proposed.

Streets (not determined).

Sewers (lateral): 65 miles...\$425,000

Carnegie library.....100,000

Auditorium.....200,000

Bonds (sold).....200,000

Bonds (to be voted upon October 12).....400,000

This for sewer extension.

UNADILLA.

Our town completed its water and sewerage system last year, and there is nothing special doing in public improvement at this time. Electric lights are being talked, but nothing definite as yet.

Kentucky Counties.

CLARK.

Under Construction.

Roads: About 10 miles.....\$25,000

Jail: Recently completed.....25,000

Proposed.

Roads: Under State aid.....\$28,000

CUMBERLAND.

Under Construction.

Schools: 4.....\$2,000

Proposed.

Schools: 5 or 6.....\$3,000

FAYETTE.

Proposed.

Roads.....\$300,000

Bonds (to be voted in September).....300,000

KNOX.

Proposed.

Roads.....\$200,000

Bonds (voted).....200,000

All of this money is to be used upon roads and bridges in Knox county; none of it on courthouse. Will commence work before very long, as all is about in readiness.

MARION.

Under Construction.

Schools: 1.....\$6,000

MONROE.

Under Construction.

Schools: 1.....\$7,000

Proposed.

Roads: 4 miles.....\$14,000

Bonds (for schools).....5,000

OHIO.

Proposed.

Roads: 3 miles macadam.....\$1,600

It is very likely that the Ohio county jail will be improved by placing metal cages therein. There will be no bond issue for any work, as it will be paid for out of bonds now available.

Kentucky Cities.

FRANKFORT.

Under Construction.

Streets: 18,800 square yards. \$5,000

City Hall: Repairs and additions.....8,000

LEXINGTON.

Under Construction.

Streets: 125,000 square yards.\$250,000

Sewers (lateral).....30,000

Schools: 1.....15,000

Viaducts: 2.....180,000

Proposed.

Streets: 100,000 square yards.\$200,000

Sewers and disposal works....200,000

Schools: 2.....100,000

Bonds (to be voted upon November 2).....300,000

Lexington has been constructing an average per annum of 4 miles of asphalt streets for the past five years, and building storm-water sewers under same; also building lateral sewers. Streets and lateral sewers are built at the expense of abutting property, on the 10-year plan of payment, city paying for storm-water sewers and intersections. Fayette county, of which Lexington is a part, will vote in September on issuing \$300,000 bonds for road improvement. Lexington will vote November 2 on issuing \$200,000 bonds for disposal field for sewage and to complete main sewers; \$50,000 for storm-water sewers and \$100,000 for two new schools.

Louisiana Counties.

EAST BATON ROUGE.

Under Construction.

Roads: 48 miles, gravel.....\$223,000

Bridges: 4; contract to be let August 10.

Proposed.

Roads: 11 miles, improved gravel.

Drainage: 40,000 acres.....\$75,000

Bonds (sold).....223,000

The city of Baton Rouge has let contract for a large amount of street paving. The Hope-Villa Highway, just completed, has been oiled for a distance of seven miles from Baton Rouge, and is now considered one of the finest highways in the country. It is proposed to oil the remaining eight miles in the near future. This highway was constructed under direction of State Highway Department, which furnished monetary aid. The highways in Road District No. 2 are being constructed in the same manner. All bridges and culverts on the highways in this district are of concrete construction.

TERREBONNE.

Under Construction.

Roads: 25 mile gravel.....\$175,000

This parish has made two road districts lately, and will vote a tax for a hard-surfaced gravel road. Road District No. 1 extends from Houma to Thibodeaux, along the Bayou Terrebonne. Road District No. 2 comprises Houma and extends from Houma northward to the Bayou Lafourche, and will be a connecting link in the hard-surfaced road from New Orleans to Morgan City and West Louisiana.

WEBSTER.

No bonds here now. An effort is being made to have an election called for a small issue.

Louisiana Cities.

HOUMA.

Proposed.

Roads: 30 miles.....\$150,000

Water purification plant.....60,000

The parish of Terrebonne and the city of Houma propose to build 60 miles of

graveled road. The funds with which to build the roads will be derived from a bond sale. An election to take place September 16, 1915, will authorize the issuance of the bonds, amounting to \$50,000.

The city of Houma has under consideration the erection of a one-story market building, 200 feet front by about 50 feet in depth, red tile roof, glazed tile floor and iron, glass and wire construction.

Also the erection of swimming tank 100x50 feet in area, and the installation of electric fire-alarm system and purchase of combination auto fire truck.

An election will be called at an early date to submit to the people the question of issuing \$60,000 bonds for erection of a water purification plant.

LAKE CHARLES.

Proposed.
Drainage.....\$100,000

RUSTON.

Under Construction.
Water-works: Diesel engine.. \$20,000

SHREVEPORT.

Proposed.
Water-works.....\$1,200,000

As to public improvement jobs, our city has a bond issue of \$1,200,000 voted by the people for the purpose of either acquiring and enlarging the present water-works system now owned by private corporation, or the construction of an entirely new water-works plant. The city officials are at this time negotiating with a water-works company with a view to deciding which of the two propositions will be adopted. We hope to have the matter definitely crystalized in a few weeks, and put a final proposition up to the taxpayers for ratification.

Maryland Counties.

BALTIMORE.

Under Construction.
Roads: 28 miles.....\$260,000
Bridges: 50..... 26,000

CARROLL.

Under Construction.
Roads: 1½ miles..... \$11,000
Schools: 1..... 12,000

ST. MARY'S.

Under Construction.
Roads: 1 mile.
Fire protection and lighting for Leonardtown.

WASHINGTON.

Under Construction.
Roads: 7 miles..... \$36,000
Schools: 2..... 28,000

Proposed.
Roads: 14 miles..... 70,000

Maryland Cities.

HAVRE DE GRACE.

Under Construction.
Streets: 5500 square yards concrete.

Contracts will be opened July 27 for construction of concrete pavements covering about two miles. General conditions here are good.

Mississippi Counties.

BENTON.

Under Construction.
Schools: 1..... \$8,000
Bonds (for schools)..... 8,000

JONES.

Under Construction.
Roads: 90 miles graded and graveling..... \$55,000

Courthouse: Improvements... 500
Bridges: 2..... 6,000

We have a very prosperous county. The Board of Supervisors are preparing to grade and gravel a lot of public roads with the convict labor and hired labor. They have purchased several road trucks and graders, and are using them on the road at present. Will build several miles of road this summer and fall.

KEMPER.

Under Construction.
Roads..... \$75,000
Courthouse..... 60,000
Schools..... 60,000
Bonds (sold)..... 150,000

The \$75,000 for roads was bond issue for general road improvement. Courthouse has been completed. School funds as follows: \$10,000 Agricultural High School; \$5000 two rural consolidated school districts.

LEE.

Under Construction.
Roads: 11 miles concrete; 38 macadam.....\$305,000
Bridges (steel) 8..... 5,000
Drainage: 3 districts..... 50,000
Bonds..... 305,000

Lee county is one of the foremost counties in Mississippi, along the lines of good roads and good drainage, having spent \$650,000 on good roads and \$300,000 on canal drainage. Have built 98 miles of concrete and macadam roads and about 100 miles of canals, besides the thousands of miles of tile drainage constructed by individuals. This is also one of the foremost counties in the State in agriculture, being adapted to the growing of cotton, corn and alfalfa. The population of the county is approximately 30,000. In 1913 it produced 34,000 500-pound bales of cotton, besides plenty of corn and thousands of tons of alfalfa. All of the above-mentioned improvements have been made in the last five years, and Lee county has taken the longest stride in improvements and commercial progress in the last five years known to the history of the county.

WARREN.

Under Construction.
Roads: 28 miles.....\$336,000

Mississippi Cities.

CANTON.

We have in contemplation 4 miles of gravelled streets and a \$10,000 addition to high school, besides considerable improvements in sidewalks. A \$25,000 bond issue is contemplated.

GULFPORT.

Proposed.
City Park: No estimate.
Public Docks and Pier. No estimate.

HOLLY SPRINGS.

Under Construction.
Streets (concrete)..... \$15,000
Bond issue (sold)..... 15,000

LAUREL.

Under Construction.
Streets: 61,000 square yards.. \$35,000
Sewers and water-works..... 20,000
Schools..... 25,000
Bonds (sold)..... 60,000

VICKSBURG.

The city of Vicksburg, having purchased the old or existing water-works plant on April 15, 1915, has added thereto since that time 9½ miles of extensions, and has taken out all dead ends from said plant. They hope at an early date to reorganize the pumping plant, adding thereto another low-lift unit.

Missouri Counties.

AUDRAIN.

Proposed.
Bridges: 40..... \$10,000

BUTLER.

Under Construction.
Drainage: 35½ miles..... \$68,787
Bridges..... 11,235
Bonds (for drainage: sold).... 11,610

CAMDEN.

Under Construction.
Roads: 15 miles..... \$1,500

Proposed.
Roads: 75 miles..... 7,500

COLE.

Under Construction.
Roads: 20 miles..... \$1,200
Bridges: 3..... 14,154
Culverts: 6..... 1,346

Proposed.
Roads.....\$100,000
Jail..... 25,000
Hospital..... 25,000

Our County Court will take up the matter of bonds for road purposes, new jail and hospital amounting to \$150,000 at its meeting August 2. This will necessitate a special election. The 20 miles of grading is being done with a tractor and grader outfit. Work of this kind averages about \$60 a mile. It consists of regrading an old road, amounting only to ditching and crowning.

DAVIES.

Under Construction.
Bridges: 7..... \$1,500
Schools: 1..... \$20,000

HARRISON.

Under Construction.
Bridges: 3..... \$4,000

Proposed.
Roads: 40 miles..... \$5,000
Bridges: 40..... 16,000

HICKORY.

Under Construction.
Bridges: 1..... \$6,660

LAFAYETTE.

Under Construction.
Bridges and culverts (concrete): 44..... \$8,000
Schools: 1..... 20,000

Proposed.
Schools: 1..... \$6,000
Bonds (sold)..... 20,000
Bonds (voted)..... 6,000

It is proposed to rock the portion of the Santa Fe Trail through this county. This is still a dirt road, but as yet nothing definite in the matter of financing has been done. This would cover about 25 miles and cost approximately \$150,000.

LIVINGSTON.

Under Construction.
Schools: 1..... \$12,000

Proposed.
Bridges: 15 or 20..... 10,000

MISSISSIPPI.

Under Construction.
Courthouse..... \$25,000
Bridges: 16..... 15,000
Drainage..... 275,000

We have not any record as yet just how much the Big Lake drainage project will drain, but it will be 4000 to 5000 acres. This will open up about 3000 acres for farming purposes. Do not know when bonds will be sold.

MORGAN.

Under Construction.
Roads: 100 miles..... \$25,000

Courthouse (improvements)... 500
Bridges: 5..... 1,000
Schools: 3..... 3,000

Proposed.
Courthouse (additional improvements)..... 5,000

The funds for work now being done were raised by public donation and taxation. The condition of public roads in Morgan county has increased 100 per cent. in the last 12 months.

NEWTON.

There is no particular road work being done in this county at present. Our roads are being worked and kept in repair by the various road overseers in the county.

OSAGE.

Proposed.
Roads: 200 miles.....\$100,000
Bridges: 1..... 20,000
Drainage: 800 acres..... 12,000

PULASKI.

Under Construction.
Roads: 24 miles..... \$8,000
Schools: 1..... 6,000

RAY.

Under Construction.
Courthouse.....\$100,000
Bridges: 5..... 2,400
Schools: 3..... 75,000

Missouri Cities.

CHILLICOTHE.

Under Construction.
Streets: 65,000 square yards.\$151,630
Sewers: 1 mile..... 3,000
Water-works..... 135,000

Contract has been let for Government building costing \$130,000.

INDEPENDENCE.

Proposed.
Streets: 22,000 square yards. \$29,000

KIRKWOOD.

Under Construction.
Streets: 15,000 square yards. \$7,000
Sewers: ½ mile..... 2,600

Proposed.
Streets: 30,000 square yards.. \$14,000
Sewers (storm)..... 10,000
Schools: 1..... 20,000
Ice plant..... 18,000

The city of Kirkwood is steadily growing. Has \$92,000 bonded indebtedness, with some \$46,500 on deposit in its sinking fund. Street and sewer work is paid for by special tax.

MARYVILLE.

Proposed.
Streets: 40,000 square yards.. \$65,000

North Carolina Counties.

ALEXANDRIA.

Proposed.
Roads.....\$150,000
Courthouse..... 6,000
Bonds (not sold)..... 150,000

There was \$150,000 road bonds voted March 9, 1915, but have not been sold.

CHATHAM.

Under Construction.
Roads: 125 miles..... \$12,000
Bonds..... 7,000

CRAVEN.

Under Construction.
Roads: 25 miles..... \$10,000
Bridges: 3..... 9,000

Schools: 2 (just completed)... 25,000
Tobacco warehouse..... 12,000

Proposed.

Courthouse (extension)..... \$15,000

The general progress of the community and the county is good. Weather conditions have been good and the crops are looking fine. A large new tobacco warehouse is under construction, and, with one already in operation, Newbern bids fair to become a good tobacco market. Tobacco area planted largely increased over last year and crop looking good.

HARNETT.**Under Construction.**

Roads: 50 miles..... \$1,000
Schools: 1..... 20,000

Proposed.

Roads: 20 miles..... \$25,000
Bonds (to be voted upon August 7)..... 25,000

LENOIR.**Under Construction.**

Roads: 8 miles..... \$8,000

Proposed.

Roads (complete system): 150 miles..... \$150,000
Courthouse (no definite plans at present).

This county in the past few years has spent \$20,000 for new steel and concrete bridges, and has completed about 85 miles of sand-clay roads. Now working on an 8-mile stretch, and when this is completed will continue to build until all main roads are completed. The building is done with convict labor and superintendent, and the force, with road machinery, is employed in keeping same in good repair. This county owes nothing for bonds and does not contemplate the issuance of any at present. There is no debt against the county of any kind save, a small loan recently made in anticipation of the present year's taxes. Our roads are costing from \$800 to \$1000 per mile under present system, and we complete about 10 to 15 miles a season, that is, during spring and summer. There is some demand for new courthouse, but nothing definite to report now. We have special tax for roads each year, ranging around 20 cents per \$100.

MACON.**Under Construction.**

Roads: 25 miles..... \$90,000
Bonds (for roads)..... 90,000

MITCHELL.**Under Construction.**

Roads: 14 miles..... \$22,500

Proposed.

Roads: 3 miles..... \$2,000
Bonds (for roads)..... 30,000

Our county is beginning to awaken to the necessity of good roads, and, as you will see, is beginning to make some move in that direction. This being a mountainous section of country, the cost of road construction is enormous.

YADKIN.**Under Construction.**

Roads: 14 miles..... \$24,000
Bonds (sold: for roads)..... 40,000
Bonds (not sold: for roads).... 20,000

North Carolina Cities.**MOREHEAD CITY.****Under Construction.**

Sewers..... \$24,000
Water-works (extension)..... 7,000
Bonds (sold: for sewers).... 24,000

MT. AIRY.**Under Construction.**

Streets: 18,000 square yards. \$20,000

Schools: 2..... 25,000
Bonds (not sold)..... 45,000

Oklahoma Counties.**CIMARRON.**

We are a new county and people are poor, but are gradually coming to the front. We have no railroad in our county. It is proposed to build several miles of roads, a courthouse, one bridge and some new schoolhouses, but nothing definite has been done on these improvements.

BLAINE.**Under Construction.**

Bridges: 3..... \$2,320
Schools: 4..... 34,000

Proposed.

Bridges: 6.

CLEVELAND.

The Commissioners of this county have made an estimate for road improvement, to be approved by the Excise Board July 31, of the amount of \$42,000, to be raised by direct tax the ensuing fiscal year. This includes surveying, grade construction and bridges of steel or concrete. The Commissioners have laid off 110 miles of road in the county to be scientifically finished, which they figure will take three years to do by direct tax. The roads are to be finished with clay and sand and will be dragged after every rain.

This is about all improvement of importance contemplated at present, though we are agitating a bond issue of \$150,000 for road improvement along with this tax levy. This will not be voted on until November, 1916, if voted on at all.

COMANCHE.**Proposed.**

Roads: 100 miles..... \$5,000
Bridges..... 10,000

DELAWARE.**Proposed.**

Roads: 35 miles (by convict labor).
Bridges: 3..... \$12,000

ELLIS.**Under Construction.**

Roads..... \$5,000
Bridges: 8..... 24,000

KINGFISHER.**Proposed.**

Roads: 207 miles..... \$18,700
Bridges: 17..... 21,500

LE FLORE.**Under Construction.**

Roads: 800 miles.

Proposed.

Roads: 125 miles State highway. Per year..... \$10,000

MAJOR.**Proposed.**

Bridges: About 40..... \$10,000

Roads seem to be the most important of public improvements. The county donates considerable to good-road construction.

NOWATA.**Under Construction.**

Roads: 125 miles..... \$20,000
Bridges: 6..... 12,000

POTTAWATOMIE.**Under Construction.**

Bridges: 18..... \$10,570
Drainage: 27,730 acres.
County fair and race course.. 10,000

Proposed.

Roads: 40 miles..... \$25,000
Drainage: 12,000 acres.

ROGER MILLS.**Proposed.**

Roads..... \$3,000
Bridges..... 12,000
Schools..... 1,500

We also have an estimate for State highway construction. Our county is progressing rapidly, crops were never better, and the people generally are in good spirit. A railroad is proposed to cost about \$300,000.

Oklahoma Cities.**ADA.**

We have no public improvements in course of construction nor in contemplation in the immediate future. This city and community are in a very optimistic mood. We have developed quite a gas field adjoining the town, and have already piped most of the city, and the work is going steadily on. Have available 50,000,000 cubic feet of gas within half a mile of city limits, which can be had at a very low price. Oil field is in course of development, which bids fair to be a good one. Some three or four wells are being sunk now and others will be. Have new producing well of 100 barrels per day. Crop conditions very promising. Things look good for our city generally.

BARTLESVILLE.**Under Construction.**

Schools: 2..... \$25,000

Proposed.

Streets: 2820 square yards... 4,507
Schools: 1..... 600
Storm sewer: Reinforced concrete pipe..... 30,000

Progress slow at present, but indications are for a slow but gradual continuation of construction work as price of oil increases.

OKMULGEE.**Under Construction.**

Streets: 10,000 square yards.. \$15,000
Schools: 2..... 105,000

Proposed.

Streets: 66,000 square yards.. \$95,000
Bonds (for parks, voted but not sold)..... \$100,000

South Carolina Counties.**SPARTANBURG.****Proposed.**

Bridges: 7..... \$3,000
Painting bridges..... 5,000
Concrete culverts..... 10,000

South Carolina Cities.**COLUMBIA.****Under Construction.**

Streets: 50,000 square yards.. \$90,000
Sewers: 10½ miles..... 30,000
Water-works: 10 miles mains. 38,000
Schools: 3..... 250,000
Sidewalks and curbs..... 25,000
Storm-water drain..... 10,000

Proposed.

Streets: 700 square yards... \$600
Carnegie library..... 6,000

ORANGEBURG.**Under Construction.**

Streets: 6000 square yards brick and wood block..... \$13,150

Proposed.

Water-works (extension).... \$30,000
Schools: 1..... 30,000
Bonds (for school, sold).... 30,000
Bonds (for water and lights, to be sold August 9)..... 30,000

Tennessee Counties.**ANDERSON.****Under Construction.**

Roads..... \$31,000
Bridges: 3..... 63,000
Schools: 9..... 48,000

CARTER.**Proposed.**

Roads: 65 miles..... \$365,000
Bonds (for roads) not sold... 365,000

Bids to be received August 15. Work will begin immediately.

CLAIBORNE.**Proposed.**

Roads..... \$372,000
Bonds (for roads)..... 372,000

HICKMAN.**Proposed.**

Bridges: 1..... \$900
Schools: 1..... 1,500

HUMPHREYS.**Under Construction.**

Roads: 225 miles..... \$250,000
Bonds: For roads (sold).... 250,000

On May 1, 1915, our county voted a bond issue to build 225 miles of road. The bonds have been recently sold, and on next Saturday contracts will be let for construction of same. We have the finest prospects for crops in years, and while business is depressed, we look forward to an improvement in the near future. But few failures have taken place and those of not much importance.

We look forward to a much better condition of affairs when business adjusts itself, because our people have economized to such an extent that they are not so deep in debt, and the weeding-out process is going on yet, which will lead to much better conditions in the future.

KNOX.**Under Construction.**

Roads and bridges..... \$500,000
Bonds for above (sold)..... 500,000

PERRY.**Proposed.**

Roads: 100 miles..... \$100,000
Bridges: 1..... 6,500

SEVIER.**Under Construction.**

Roads: 80 miles..... \$185,000
Bridges, included in road work.
Schools: 5 or 6..... 10,000

Proposed.

Roads: 2 miles..... \$8,000
Streets: In Sevierville..... 2,000
Bonds: For roads (sold).... 185,000

STEWART.**Under Construction.**

Roads..... \$2,400
Bridges: 2..... 2,500

We have two bridges under construction in this county, both to be built of steel. We spend 50 per cent. of our road fund in building pikes.

WILSON.**Under Construction.**

Bridges: 3..... \$3,000

Proposed.

Bridges: 3 or 4..... 3,500

Our improvements are made by direct taxation, and not by bond issue.

Tennessee Cities.**DRESDEN.****Under Construction.**

Water-works: 150,000 gallons. \$20,000
Electric-light plant..... 10,000

Dresden is one of the oldest county

sents in Tennessee. The life of the town for the last 10 years has been one of progress and civic improvements. About all of the streets have been graveled, the sidewalks made of concrete, and the town has about completed first-class water and light plants. A splendid public school is in operation. The health of the town and community is something phenomenal.

JOHNSON CITY.*Proposed.*

Streets: 8000 to 12,000 sq. yds.
City Hall..... \$37,500
Market-house..... 37,500

Election for bond issue on separate buildings for market-house and city hall will be held latter part of August.

MADISONVILLE.

We have just completed about 2½ miles of sidewalks under the abutting property plan this year, and contemplate building about another mile next spring, with possibly some macadamizing on some of the main streets. We are also working for water-works and electric lights, but nothing definite is in sight yet.

Texas Counties.**COKE.***Under Construction.*

Bridges: 2..... \$8,777

Plans and surveys are being made for an irrigation dam across the Colorado River in this county. This will irrigate 200,000 acres of land in this and adjoining counties. Cost will be about \$3,000,000.

COLLINGSWORTH.*Under Construction.*

Roads: 40 miles..... \$20,000
Bridges: 5 (creosoted pile)... 14,000
Schools: 2..... 3,000
Roads built principally by public subscription. County's part paid for in cash. All other improvements to be paid for with county warrants issued direct to contractor.

COLLIN.*Under Construction.*

Roads.....\$900,000

Contracts are let and work under way on expending \$450,000 for roads in McKinney road district, while an additional \$450,000 is being expended in two other road districts in the county.

HASKELL.

This county has not as yet voted any bonds for road improvement, but we are to hold an election on the 28th of this month to determine whether or not there shall be levied a 50-cent road tax on each one hundred dollar valuation to build and maintain roads in the county. It is more than certain that this election will carry in the county, and if so, we are going to do some road work and build some good roads, for the population is increasing in the county very fast, and the farmers have been harvesting good grain crops and buying automobiles, and the demand for good roads is greater in this section than ever before. The general condition of this county is in far better shape than it has been for the past 10 years, the banks have more money, and it is cheaper than in a year, and the general opinion is that Haskell county and West Texas are going to be recognized as a stock farming and grain belt.

LAMAR.*Under Construction.*

Roads: 40 miles.....\$250,000
Schools: 4..... 10,000

LIBERTY.*Under Construction.*

Roads: Just completing system.\$475,000

Proposed.

Drainage: 35,000 acres..... 70,000

We are just about finishing up with two bond issues for shell roads, one for \$250,000 and the other \$225,000. Our roads are costing us around \$5000 per mile.

McCULLOCH.*Under Construction.*

Schools: 2..... \$12,000

Proposed.

Schools: 2..... 4,500
Bonds for schools (sold)..... 12,000
Bonds for school (to be voted) 4,500

OLDHAM.*Under Construction.*

Roads: 50 miles..... \$15,000
Courthouse..... 30,000

RAINE.

We have no new projects at present, but some school bonds have already been voted.

REEVES.

Bonds (voted) for roads.....\$100,000

We have the greatest natural resources of any county in the Southwest, and the most up-to-date town between Abilene and El Paso. When we get the roads that will be built with the \$100,000 bonds issue we will have a system indeed difficult to compare with, for we have natural roadbeds. With a very little money these can be made the equal of macadamized roads. Road work will commence some time in September, although bids have not as yet been advertised.

SMITH.*Under Construction.*

Roads: 200 miles.....\$300,000
Bridges: 3..... 5,000
Jail..... 40,000

This being a cotton-growing section, the war situation has brought about rather a depressed condition, but our farmers are raising more feedstuff and other crops this year than ever before, and this change will soon result in general prosperity for this section.

TRAVIS.*Under Construction.*

Bridges: 4..... \$4,000

Texas Cities.**AMARILLO.***Proposed.*

Streets..... \$50,000
Sewer extension..... 10,000
Bonds (to be voted)..... 50,000

We are calling an election to vote on bond issue of \$50,000 to be used in extending our paved area. This will no doubt carry. Will expend \$10,000 in sewer extension and have built 30 miles of concrete sidewalks this year.

CHILDRESS.

The question of a sewer system is being agitated by our local papers and Commercial Club, but the proposition has not taken definite shape. We think the tide will flow again in 1916. Fine crops and an outlook of prosperity are in sight.

KERENE.*Proposed.*

Sewers..... \$3,500

McKINNEY.*Under Construction.*

Streets: 25,000 square yards.. \$50,000

Proposed.

Streets: 29,000 square yards.. 62,000
Water-works (to be improved in the near future).

City will have eight miles of paved streets before present bond issue is exhausted. Contracts are let and work under way on expending \$450,000 on roads in McKinney road district, while the same sum is being expended in two other road districts in the county.

PALESTINE.*Proposed.*

School.....\$100,000
Bonds for school (not sold)... 100,000

PARIS.*Under Construction.*

Streets: 20,000 square yards.. \$48,000
Schools: 2..... 50,000

Proposed.

Streets..... \$50,000
Schools: 2..... 50,000
Bonds (sold)..... 200,000

SAN ANTONIO.*Under Construction.*

Streets: 180,000 square yards.\$400,000
Sewers: 10 miles..... 200,000

Proposed.

Streets: 300,000 square yards. 600,000
Sewers: Additions..... 500,000
Schools: Several.
Hospital: City and county jointly..... 250,000
Incinerators..... 50,000

The proposed work is contracted for. Bonds for \$3,450,000 were sold November, 1913, to take care of all city improvement mentioned with the exception of proposed sewers, for which a special bond issue is proposed, but date of election not decided. The San Antonio Traction Co. is improving and extending several street-car lines. The Missouri, Kansas & Texas Terminal Railroad is constructing station and tracks costing \$1,500,000.

Virginia Counties.**BUCHANAN.***Proposed.*

Roads..... \$81,000

CAMPBELL.*Proposed.*

Roads: 10 miles.

The roads in Campbell county are in better condition than ever before in the history of the county.

CLARKE.*Under Construction.*

Roads: 2 miles..... \$8,000

DICKINSON.*Under Construction.*

Roads: 23½ miles..... \$38,000
Courthouse..... 25,000
Bridges: 3..... 4,000

Proposed.

Roads: 30 miles..... 48,000
Bonds for above..... 86,000

FAUQUIER.*Under Construction.*

Roads: 28 miles..... \$84,000

Proposed.

Roads: 25 miles..... 150,000

GILES.*Under Construction.*

Courthouse (remodeling)..... \$8,000
Bridges: 1..... 2,000

GRAYSON.*Under Construction.*

Roads: 13 miles..... \$20,000

Proposed.

Roads: 80 miles.....\$150,000

HALIFAX.*Under Construction.*

Bridges: 3..... \$15,000
Schools: 1..... 17,000

ISLE OF WIGHT.*Under Construction.*

Roads: 5 miles..... \$3,500

Proposed.

Roads: 35 miles..... \$15,000
Bridges: 7..... 75,000

The road work will be done from State contributions and direct levies. It is proposed that the bridge work shall be handled by a bond issue.

JAMES CITY.*Under Construction.*

Roads: 5 miles..... \$3,200

KING GEORGE.*Proposed.*

Roads: 3 miles..... \$1,500

This county has been very slow to take up the question of permanent road improvement, but think our people are beginning to show interest.

MIDDLESEX.*Under Construction.*

Roads: 10 miles..... \$2,000

It is hard to tell about the proposed work of improved roads, as the State furnishes one-half of the money and the county one-half. We do not know at present how much money will be furnished by State aid for the coming year.

PAGE.*Under Construction.*

Bridges: 2..... \$10,000

PRINCE WILLIAM.*Under Construction.*

Roads..... \$10,000
Bonds (for above, not sold).. 10,000

This county is building permanent roads with State aid. It spent about \$6000 in Cole's district in the past year and will spend about \$12,000 in Manassas district this year.

ROCKBRIDGE.*Under Construction.*

Roads: 4 to 5 miles, macadam. \$20,000

Proposed.

Roads: Possibly 4 to 5, macadam, about..... \$20,000
Bridges: Possibly 1 or 2; no estimate.
Schools: Possibly 1 or 2; no estimate.

SPOTTSYLVANIA.*Under Construction.*

Roads: 40 miles..... \$40,000
Bonds for above (sold)..... 40,000

This county has completed 85 miles of improved roads costing \$133,000 and 20 permanent bridges.

WARREN.*Under Construction.*

Roads: 14 miles..... \$60,000
Bridges: 1..... 6,240

We have constructed in this county within the last three years 7 miles of State roads costing \$30,000. We are now constructing 14 miles of State roads in Front Royal and South River district,

the total bond issue for same being \$60,000. On August 10 \$20,000 in bonds for South River district will be sold to the highest bidder. This will leave \$20,000 in bonds for the same district to be sold later. The Virginia Bridge & Iron Co., Roanoke, Va., is now constructing a bridge across the north branch of the Shenandoah River at Pitman's Ford at a cost of \$6240. This bridge connects Warren and Shenandoah counties and is to be paid for by said counties in equal proportion.

Virginia Cities.

NORFOLK.

Proposed.

Streets: 36,000 square yards
asphalt, 800 square yards
wood block.
Schools: 2 additions..... \$54,000
Curbing: 20,000 linear feet... 10,000
Storm-water drains..... 29,000
Bonds (sold)..... 98,000

Special school tax provides funds for schools.

PULASKI.

Under Construction.

Streets.....\$110,000
Schools: 1..... 60,000

SOUTH BOSTON.

Proposed.

Streets, water-works, fire apparatus, etc.....\$100,000
Bonds for above (to be voted upon August 10)..... 100,000

West Virginia Counties.

CALHOUN.

Under Construction.

Bridges: 1..... \$1,787

Proposed.

Bridges: 2..... 4,500

CABELL.

Proposed.

Roads.
Bonds (voted, not sold).....\$600,000

CLAY.

There are very few good roads in Clay county. However, by some effort we

think the County Court would vote bonds. We have only dirt roads. We have several citizens who are very progressive, and the people are becoming more interested since the counties of Kanawha, Braxton and Roan are building good roads.

RANDOLPH.

Under Construction.

Bridges: 11..... \$16,000

Proposed.

Bridges: 5..... \$12,000

ROOD.

Under Construction.

Roads: 10 miles.....\$100,000

Bridges: 1..... 350,000

Schools: 1..... 300,000

TAYLOR.

Under Construction.

Bridges: 1..... \$50,000

Schools: 1..... 10,000

WETZEL.

Under Construction.

Roads.....\$150,000

Bridges: 1..... 2,500

General road improvement is continuously going on all over Wetzel county. Eighteen months ago Grant district voted \$150,000 bonds for road improvement. Of this amount \$111,000 have been expended and the remainder will be exhausted by November 1. About 30 miles of new road have been made. Balance of work consisted in grading and widening old roads. About 15 steel and 5 concrete bridges have been built in this county within the last 10 years. Our County Court has now adopted the concrete bridge entirely, and no more steel bridges will likely ever be built in the county. At present a concrete bridge is being constructed at the mouth of Fallen Timber Run in Grant district at a cost of \$2500. Probably four or five new concrete bridges will be built in this county within the next year. About \$15,000 is appropriated each year for bridge and \$55,000 for road work in the county, exclusive of the Grant district bond issue.

Good Roads and Streets

SOUTHERN HIGHWAY ACTIVITIES.

Details of Week's Progress in Improvements in City and Country.

Further details of road and street undertakings and bond issues mentioned below are given under the headings Construction Department and New Securities, published elsewhere in this issue.

The MANUFACTURERS RECORD invites from its readers information about road and street work projected or under way, photographs of good roads and discussions of matters pertaining to the betterment of the highways of the South.

Contracts Awarded.

Baltimore, Md.—City awarded \$22,900 contract for street paving and \$14,280 contract for concrete road.

Chattanooga, Tenn.—City awarded \$52,000 contract and \$6800 contract for wood block paving.

Dallas, Tex.—City awarded \$35,000 contract for paving and \$11,854 contract for bitulithic paving; also \$5726 contract for paving.

Havre de Grace, Md.—City awarded \$5000 contract for street paving.

Hillsboro, Mo.—Jefferson county awarded \$10,240 contract for road reconstruction and improvement.

Huntington, W. Va.—Cabell county awarded \$114,000 contract for constructing nine-mile road and \$80,000 contract for five-mile road.

Linden, Ala.—Larengo county awarded contract for constructing 40 miles of road.

Louisville, Ky.—City awarded \$28,500 contract for asphalt paving.

Dyersburg, Tenn.—City awarded contract for 25,000 square yards of asphalt-concrete paving.

Kansas City, Mo.—City awarded \$6200 contract for asphalt paving.

St. Joseph, Mo.—City awarded \$67,500 contract for asphalt paving.

Southern Pines, N. C.—City awarded contract for 2500 square yards of sidewalks with Portland cement top and crushed granite base.

Williamsburg, Ky.—City awarded \$42,000 contract for constructing 18 miles of road.

Winchester, Ky.—City awarded \$32,000 contract for asphalt paving.

Winchester, Ky.—City awarded contract for 13,000 square yards of asphalt paving.

Contracts to Be Awarded.

Birmingham, Ala.—City will invite bids on paving estimated to cost \$50,000.

Oberlin, La.—City will construct four miles of sidewalks.

Dallas, Tex.—City plans vitrolithic paving to cost \$16,000.

Jackson, N. C.—Northampton county will construct from 8 to 10 miles of roads.

Louisville, Ky.—Louisville Automobile Association plans to construct two-mile automobile speedway costing \$250,000.

Louisville, Ky.—City receives bids until August 26 for constructing vitrified brick paving.

Louisville, Ky.—City receives bids until August 26 for vitrified block paving.

Memphis, Tenn.—City plans paving estimated to cost \$12,229.

Paragould, Ark.—City plans 10,000 square yards of paving.

Pine Bluff, Ark.—Jefferson county plans to construct 4½ miles macadam road costing \$26,000.

Pine Bluff, Ark.—Jefferson county will construct 4½-mile macadam road costing \$26,000.

Tampa, Fla.—City receives bids until August 24 for 4400 square yards of sheet asphalt.

Tazewell, Tenn.—Claiborne county receives bids until September 2 for grading 28 miles of road and for macadamizing 30 miles.

Bonds Voted.

Charlotte, Tenn.—Dickson county voted \$250,000 bonds for road construction.

Oberlin, La.—Allen parish, Ward 4, voted \$150,000 bonds for road construction.

Dobson, N. C.—Surry county, Shoals township, voted \$30,000 bonds for road construction; Westfield township voted \$30,000 also.

Lillington, N. C.—Harnett county voted \$25,000 bonds for road construction.

Sapulpa, Okla.—Creek county, Tiger township, voted \$75,000 bonds for road construction.

South Boston, Va.—City voted \$25,000 bonds for street improvements.

Bonds to Be Voted.

Rutledge, Tenn.—Grainger county votes September 9 on \$200,000 bonds for road construction.

Dobson, N. C.—Surry county, Marsh township, votes September 15 on \$25,000 bonds for road construction.

Eufaula, Okla.—McIntosh county votes August 20 on \$25,000 bonds for road construction.

Franklin, N. C.—Macon county, Ellajay township, votes September 11 on road bonds.

Liberty, Mo.—Clay county will vote on \$150,000 bonds for road construction.

Liberty, Tex.—Liberty county, Cleveland precinct, votes September 22 on \$200,000 bonds for road construction.

Many, La.—Sabine Parish Road District No. 3 votes August 17 on \$35,000 bonds for road construction.

Maryville, Mo.—Nodaway county votes August 23 on \$35,000 bonds for road construction.

Savannah, Ga.—Chatham county votes September 21 on \$375,000 bonds for road construction.

Sumter, S. C.—City votes September 7 on \$225,000 bonds to improve streets.

Tallahassee, Fla.—Leon county will vote on \$200,000 bonds for road construction.

Woodville, Tex.—Tyler County Road District No. 1 votes August 28 on \$100,000 bonds for road construction.

To Build a Southern Highway Across the Continent.

Columbus, Ga., August 9—[Special].—The Dixie Overland Highway Association held its first regular meeting at Savannah July 24. At the meeting a constitution and by-laws was adopted, over 1000 members elected and new officers chosen. The officers are: Frank G. Lumpkin, president, Columbus, Ga.; Frank C. Battey, vice-president-at-large, Savannah, Ga.; Leland J. Henderson, secretary-treasurer, Columbus, Ga., and a State vice-president for Georgia, Alabama, Mississippi, Louisiana, New Mexico, Arizona and California.

As there is a "Dixie Trail" and a "Dixie Highway" in the South, the change of the name "Dixie Overland Highway" is being considered. G. Gunby Jordan of Columbus, Ga., was selected chairman of a committee to consider the change of name.

A resolution was adopted calling on the citizens of Georgia to lend every effort to make a first-class highway between Savannah and Columbus. Most of this highway is constructed, and all the remainder is now under construction between Columbus and Savannah.

Frank C. Battey of Savannah, Ga., was selected as chairman of a committee to consider the route of the highway. The general route has been adopted, but between some cities there are two or more routes to be considered. The adopted route of the highway is: Savannah, Columbus, Ga.; Montgomery, Selma, Ala.; Meridian, Jackson, Vicksburg, Miss.; Shreveport, La.; Dallas, Fort Worth, El Paso, Tex.; Phoenix, Ariz., and San Diego, Cal.

The advantages of this highway lie in the fact that it will be open for use the entire year round. Automobiles may be brought to Savannah from the North on boats at a season of the year when the tourists wish to visit the South. The highway, it is claimed, will give the shortest possible route across the United States.

Favoring a \$5,000,000 Bond Issue.

Plans for modernizing the road system of the State of Louisiana and constructing additional highways are being considered, an issue of bonds to the amount of \$5,000,000 being proposed. The Louisiana Good Roads Association, Col. Wm. Polk of Alexandria, La., secretary, is endeavoring to complete arrangements to petition the Constitutional Convention to authorize a \$5,000,000 bond issue, specifically for constructing three main highways. These are to extend from New Orleans to Shreveport, New Orleans to Lake Charles, and from Shreveport to the Mississippi State border at Vicksburg, which would connect the leading cities and sections with the exception of Opelousas and the Florida parishes. The first of these highways contemplates a distance totaling about 700 miles. It is stated that these three highways will conserve 1,000,000 people and be of material assistance in the future development of 21,000,000 acres of land now unused.

**NORFOLK-WASHINGTON-SHORT LINE
NORFOLK-WASHINGTON & NEW YORK RY.
GENERAL LOCATION MAP**

SCALE IN MILES
0 10 20
NORFOLK WASHINGTON & NEW YORK RY.
- CAR FERRY -
PROPOSED EXTENSIONS
OTHER RAILROAD LINES

The map shows the following locations and features:

- Cities and Towns:** BALTIMORE, HOWARD, MONTGOMERY, LOUDOUN, LEESBURG, FAIRFAX, PRINCE, WILLIAM, FAUQUIER, STAFFORD, FREDERICKSBURG, SPOTTSYLVANIA, CARLINE, KING, HANOVER, DOVER, NEW CASTLE, HENRICO, RICHMOND, NEW KENT, CHESTERFIELD, DINWIDDIE, SUSSEX, WIGHT, NORFOLK, PRINCESS ANNE, ANN, NANSOMOND, SOUTHAMPTON, GREENSVILLE, YORK, LANCASTER, NORTHAMBERLAND, ST. MARYS, CALVERT, CHARLES, ALEXANDRIA, GEORGE, PRINCE, WASHINGTON, BALTIMORE.
- Counties:** MONTGOMERY, LOUDOUN, LEESBURG, FAIRFAX, PRINCE, WILLIAM, FAUQUIER, STAFFORD, FREDERICKSBURG, SPOTTSYLVANIA, CARLINE, KING, HANOVER, DOVER, NEW CASTLE, HENRICO, RICHMOND, NEW KENT, CHESTERFIELD, DINWIDDIE, SUSSEX, WIGHT, NORFOLK, PRINCESS ANNE, ANN, NANSOMOND, SOUTHAMPTON, GREENSVILLE, YORK, LANCASTER, NORTHAMBERLAND, ST. MARYS, CALVERT, CHARLES, ALEXANDRIA, GEORGE, PRINCE, WASHINGTON, BALTIMORE.
- Water Bodies:** CHESAPEAKE BAY, POTOMAC RIVER, ROANOKE RIVER, JAMES RIVER, YORK RIVER, RAPPAHANNOCK RIVER, SUSSEX RIVER, WIGHT RIVER, NORFOLK RIVER, ANN RIVER, NANSOMOND RIVER, SOUTHAMPTON RIVER, GREENSVILLE RIVER.
- Other Features:** A compass rose in the upper left corner, a scale bar in miles (0, 10, 20) in the upper right, and a legend indicating proposed extensions and other railroad lines.

territory itself has not declined; its crops are still large and its lands productive, yet it has not kept pace with the rest of Virginia because of the lack of railroads. Eight decades of railroad-building have passed it by, and the only change in its mode of transportation has been from sailing craft to steamers to either Baltimore or Norfolk. One of the counties has a steamer only once a week.

Mr. Ward, a native of Richmond county, who had gone West and prospered as an engineer, remembered all this, and four years ago the fondness for his home State caused him to return, after disposing of his business and property elsewhere, and he then took up the matter of building the long-needed railroad, meeting with discouragements, as had others before him, but finally succeeding in obtaining the necessary financial and other support, so that his dream appears now to be upon the verge of coming true.

BUCKHANNON & NORTHERN RAILROAD.

New Line, Now the Monongahela Railway, Soon to Run Passenger Trains.

Fairmont, W. Va., August 16.—[Special].—Much interest is manifested in the upper Monongahela valley, Monongalia and Marion counties, and adjacent territory, about the early opening for passenger travel of the Buckhannon & Northern Railroad, which was recently completed from State Line, in the western edge of Pennsylvania, to Fairmont, W. Va., a distance of 40 miles. This railroad was originally built jointly by the Baltimore & Ohio Railroad Co., the Pennsylvania Railroad Co. and the New York Central system, but the B. & O. about a year ago disposed of its holdings, in equal proportions, to the other two interests named.

Announcement was made from Pittsburgh in July that a new corporation had been formed to take over and operate this line, which since that date has been known as the Monongahela Railway, with the following officers: J. M. Schoonmaker, president, Pittsburgh, Pa.; J. J. Turner, vice-president, Pittsburgh, Pa.; Lewis Neilson, secretary, Philadelphia, Pa.; T. H. B. McKnight, treasurer, Pittsburgh, Pa.; C. K. Elder, auditor, Brownsville, Pa.; G. B. Obey, general superintendent, Brownsville, Pa.; D. K. Orr, chief engineer, Brownsville, Pa.; J. C. Grooms, real estate agent, Pittsburgh, Pa.; S. D. Brady, consulting engineer, Fairmont, W. Va.

An extensive traffic in all classes of freight is confidently expected by the officials. There are four coal mines already in operation which have been making use of the road's freight service for a year or more, the principal one being the Parker Run mine of the Fairmont & Cleveland Coal Co., located at Rivesville, W. Va., or Paw Paw Junction, as it is named in the tariffs of the new railroad company. This coal company's offices are at Fairmont, W. Va., and its operation is one of the most unique known, on account of its transportation facilities, which include the Monongahela Railway, connected at the northern end of its mine sidings; the Baltimore & Ohio Railroad, connected on the south, and the Monongahela River, which is utilized for water shipment from an extension of the same tippie over which coal is dumped into the cars of either of the two railroads. This company is producing 1000 tons a day at its mine, and the combined production of the three mines loading on the new road farther down the river probably amounts to about the same tonnage. The Rosebud Fuel Co., also of Fairmont, is selling agent for the Fairmont & Cleveland Coal Co., and W. E. Watson, Jr., is general manager of both concerns.

The construction of the Monongahela Railway is the last word in single track railroad work. In entering Fairmont unusual difficulties presented themselves, necessitating a large amount of heavy concrete work and the contractors carried out the severe specifications in a most creditable manner. The appearance of the railway company's property at its Fairmont terminal does credit to all concerned, particularly to Samuel D. Brady, chief engineer of the Little Kanawha Syndicate Lines, who has kept ceaseless watch over the work of the contractors since its beginning. He also planned the entire terminal layout, station, warehouse, etc., all of which is modern and of the best construction throughout.

The public anxiously awaits the advent of passenger trains, and a celebration is planned to honor Col. J. M.

Schoonmaker of Pittsburgh, president of the road; G. B. Obey of Brownsville, Pa., general superintendent, and Mr. Brady, when such regular service is inaugurated.

Agricultural Displays by Railroads.

The advantages of the South as a grain-producing section will be given great prominence in exhibits which the Southern Railway, the Mobile & Ohio Railroad, the Georgia Southern & Florida Railway, the Virginia & Southwestern Railway and their affiliated lines will make at 30 State, district and county fairs in the North and Middle West during the coming fall.

An especially fine collection of grains will be a feature, while the grasses and forage crop display will be of very high character. From the wheat-growing section of the South grain sheaves will be shown from fields yielding as high as 40 bushels to the acre, and the character of other exhibits will be in keeping. The fruits and vegetables, which will be in jars, include a wide variety.

These exhibits come from various districts of the entire territory served by the Southern Railway and its affiliated lines in Virginia, North Carolina, South Carolina, Georgia, Alabama, Florida, Mississippi, Tennessee and Kentucky. They will be shown in Pennsylvania, New York, Indiana, Michigan and Illinois, and each exhibit will be attended by agents well equipped to tell callers about the various sections of the South represented and to give information concerning the opportunities to be found in them. Especially attractive literature will be widely distributed at these displays.

The first two exhibits will be shown at fairs in Indiana. For all fairs in the Middle West a special exhibit tent has been provided, arranged so that a large number of people can see the display at the same time. Past experience has shown that these exhibits of Southern products are very frequently the big feature of country fairs, and attract large numbers of farmers. Throughout many of the States the Southern Railway exhibit has become well known and is looked for. This has made it necessary to arrange for caring for more than an ordinary crowd.

Chesapeake & Ohio Business Increasing.

The Chesapeake & Ohio Railway Co.'s statement of results for the fiscal year ended June 30 shows total revenues \$39,464,036, increase as compared with the previous year \$2,004,173; total expenses \$27,556,413, increase \$1,142,514; net income \$2,663,536, decrease \$308,279. It is further stated concerning the recent improvement in traffic that for June merchandise traffic showed an increase of 21 per cent. in revenues, and there was also a gain of 15 per cent. in coal and coke traffic. For the month revenues generally showed an increase of 10 per cent.

Gas-Electric Car for Passengers.

The Macon & Birmingham Railway has placed in service for passenger traffic a gasoline-electric motor car built by the General Electric Co. of Schenectady, N. Y. It has a 200 horse-power motor, is 70 feet long and 10 feet wide, with seats for 60 white passengers and 22 colored passengers. There is also a nine-foot baggage-room and seven-foot mail and express room on the car, which will be operated between Sofkee and Lagrange, Ga., 97 miles. The first-named point is near Macon, which city is reached over the Georgia, Florida & Southern line.

Will Operate Electric Car.

Concerning a report from Jacksonville that the Florida East Coast Railway planned to operate electric trains between Jacksonville and Mayport, 25 miles, the railroad company says that during certain months the travel on the Mayport branch is very light, and it is expected to install in next December or January an electric car to handle the passenger traffic there. The line will not, however, be electrically equipped, but only one car of the electric type will be put in service. The heavy traffic in spring and summer will continue to be handled with steam trains as usual.

MISSOURI PACIFIC RECEIVERSHIP.

President B. F. Bush Takes Charge of the Property Under the Court's Direction.

Benjamin F. Bush has been appointed receiver for the Missouri Pacific Railway and the St. Louis, Iron Mountain & Southern Railway, which together are known as the Missouri Pacific System, of which he is president. The petition for the receivership was filed by the Commonwealth Steel Co., a creditor of the roads, in the Federal Court at St. Louis.

Several weeks ago a plan was completed by committees on behalf of the several classes of securities in the system for a readjustment of its capital and debt and deposits of securities under the plan were requested, the object being to avoid a receivership, with consequent expenses and delays, but the deposits of securities which have been made are thus far, it seems, wholly insufficient to permit fulfillment.

A report from New York states that the directors issued a statement following the announcement of the receivership and saying that the St. Louis, Iron Mountain & Southern Railway is already in default for interest which was due July 1, and that the Missouri Pacific is unable to pay interest due September 1, which amounts to about \$2,000,000. They therefore consented to the receivership.

Time for deposits of securities is extended until October 15, and it is hoped that the receivership will not last long.

New Equipment, Etc.

Western Maryland Railway is expected to order 1000 hopper cars and 15 passenger cars.

Pine Belt Lumber Co. of Fort Towson, Okla., has ordered a Mikado type locomotive from the Baldwin Works, Philadelphia.

Southern Railway has ordered 4000 tons of rails from the Maryland Steel Co., Sparrows Point, Md.

Chesapeake & Ohio Railway has ordered 6000 tons of rails from the Illinois Steel Co., Chicago; 500 tons each from the Cambria Steel Co., Johnstown, Pa., and the Pennsylvania Steel Co., Steelton, Pa., besides 600 tons of structural steel from the Virginia Bridge and Iron Works, Roanoke, Va., and the Mt. Vernon Bridge Co., Mt. Vernon, O.

Baltimore & Ohio Railroad will purchase 300 tons of bridge steel.

Pennsylvania Railroad has ordered 350 tons of bridge steel from the McClintic-Marshall Construction Co. of Pittsburgh, and is receiving bids preliminary to buying as much more.

Chicago, Burlington & Quincy Railroad will soon be in the market for 65 passenger cars.

Wheeling & Lake Erie Railway receiver has asked authority to issue \$2,000,000 of receiver's certificates to purchase 1700 freight cars.

Florida East Coast Railway has ordered 2200 tons of rails from the Pennsylvania Steel Co.

Atlantic Coast Line is reported in the market for 5 coaches and baggage cars; its order for 800 box cars is still pending.

Tennessee Coal, Iron & Railroad Co. has ordered 10 tank cars from the Pressed Steel Car Co., Pittsburgh.

Gadsden (Ala.) Car Works, which is building 600 freight cars for the Queen & Crescent Route, is receiving deliveries of steel underframes made by the American Car & Foundry Co. for use in their construction.

Hiawasse Valley Railway Co., Fred A. Cloud, chief engineer, Andrews, N. C., desires tenders to supply it with 2500 tons of 60-pound relaying rails, with splices, etc., delivered at Andrews.

Gulf, Florida & Alabama Railroad, Pensacola, Fla., is reported to have ordered \$200,000 worth of rails in Chicago for its northern extension now building.

Maryland Rails for Russia.

The Maryland Steel Co., Sparrows Point, Md., will manufacture 30,000 tons of 67½-pound steel rails for shipment to Russia. This is part of the rail order recently placed in the United States for the Russian Government, the Cambria Steel Co. of Johnstown, Pa., having also received a portion of the contract.

Construction Department

IN ORDER TO FOLLOW UP

Properly the Construction Department items, please bear in mind the following statements:

EXPLANATORY

The MANUFACTURERS RECORD seeks to verify the items reported in its Construction Department by full investigation. It is often impossible to do this before the item must be printed or else lose its value as news, and in some items it is found advisable to make statements as "reported" or "rumored," and not as positive information. If our readers will note these points they will see the necessity of the discrimination. We are always glad to have our attention called to errors that may occur.

HOW TO ADDRESS

The name of one or more incorporators of a newly incorporated enterprise should always be written on letter addressed to the official headquarters or to the town of the parties sought, as may be shown in the item. Sometimes a communication merely addressed in the corporate or official name of a newly established company or enterprise cannot be delivered by the postmaster. By following these general directions the postoffice will generally be enabled to deliver your mail promptly, although it is inevitable that some failure by the postal authorities to deliver mail to new concerns will occur, as our reports are often published before new companies are known and before they have any established office for the receipt of mail.

WRITE PERSONAL LETTERS

In communicating with individuals and firms reported in these columns a letter written specifically about the matter reported will receive better and quicker attention than a circular. In most instances a return postal card or addressed and stamped envelope should be enclosed with letter.

In correspondence relating to information published in this department, it will be of advantage to all concerned if the Manufacturers Record is mentioned.

DAILY BULLETIN

The Daily Bulletin of the Manufacturers Record is published every business day in order to give the earliest possible news about new industrial, commercial, building, railroad and financial enterprises organized in the South and Southwest. It is invaluable to manufacturers, contractors, engineers and all others who want to get in touch at the earliest moment with new undertakings, or the enlargement of established enterprises. The subscription price is \$25 per year.

All advertising contracts in the Manufacturers Record for three months or longer include a subscription to the Daily Bulletin for the contract period, as well as a subscription to the Manufacturers Record.

BRIDGES, CULVERTS, VIADUCTS

Ark., Searcy.—White county will construct bridge across Little Red River; J. A. Marsh, County Judge, receives bids until Aug. 19.

Fla., Bradentown.—City defeated bonds, including \$21,000 for unfinished contracts on Ware Creek bridge, etc. (See Water-works.)

Fla., Cocoa.—Committee of Comms.' Dists. Nos. 2 and 4, G. N. Hendry, Chrmn., accepted plans by C. M. Rogers, Engr., Daytona, for bridge across Indian River from Cocoa to point on Merritt Island; length 5800 ft.; width 20 ft.; 143-ft. draw in midchannel; substructure of reinforced concrete piling with reinforced concrete capsills; superstructure of pine or cypress timber; 3-in. flooring; designed to support weight of 80,000 lbs.; vote in Oct. on \$100,000 bonds. (Lately noted.)

Ga., Macon.—Central of Georgia Ry., C. K. Lawrence, Ch. Engr., Savannah, Ga., will construct concrete viaduct on Plum St. from 5th to 6th St.; estimated cost \$75,000; construction probably by railroad forces.

Ky., Louisville.—City will grant franchise on Aug. 27 to construct elevated railroad structure or viaduct across alley between 2d and 3d Sts.; Roger G. McGrath, Secy. Board of Public Works. (See Machinery Wanted—Viaduct Construction.)

Md., Baltimore.—State Roads Com., Garrett Bldg., estimates cost of constructing bridges to connect new road system of Maryland at \$1,000,000; to be built from time to time; bridges proposed include Synepuxent Bay, at Ocean City, \$75,000; Pocomoke River, at Pocomoke City, \$60,000; at Chestertown, \$100,000; Nanticoke River, at Vienna, \$200,000; Bohemian River, \$100,000; Sassafras River, \$50,000; at Chesapeake City, \$50,000; Elk River, \$50,000; at Principio, \$25,000; Western Run, York road, \$25,000; Gunpowder River, at Wiseburg, York road, \$25,000; Severn River, Annapolis, \$275,000; South River, \$200,000; Catoctin River, Jefferson turnpike, \$15,000; Catoctin River, at Middletown, \$50,000; Fifteen-Mile Creek, Allegany county, \$30,000.

N. C., Jefferson.—Ashe County Comms., W. A. Scott, Chrmn., will have plans by State Highway Engr. ready in about 15 days for steel bridge 300 ft. long, 14 ft. wide; cost \$9000.

N. C., Tarboro.—Edgecombe County Comms. have plans by State Highway Com. for \$12,000 steel bridge; concrete foundations and floor; 572x16 ft.; hand power draw-bridge.

Okla., Antlers.—Pushmataha County Commissioners let contract Illinois Steel Bridge Co., Jacksonville, Ill., at \$44,940 to construct 5 bridges; C. A. Heere, County Clerk.

Okla., Purcell.—McClain county will vote on \$75,000 bonds to construct bridges. Address County Comms.

Okla., Sulphur.—Murray County Comms. let contract Western Bridge Co. of Sherman, Tex., to construct 2 bridges over Washita River.

S. C., Greenville.—Southern Ry., W. H. Wells, Chief Engr. Constr., Washington, D. C., will construct bridge 115 ft. high over Saluda River.

Tenn., Harriman.—Roane County Comms., Kinston, Tenn., appointed committee to investigate construction of bridge over Emory River at Harriman; has legislative authority to issue \$50,000 bonds.

Tex., Benjamin.—Knox county voted \$50,000 bonds to construct 2 bridges over Brazos River—1 at Brock Crossing and other at Coffman Crossing. Address County Comms.

Tex., Llano.—Llano county votes Aug. 24 on \$20,000 bonds to construct 4 bridges. Address County Comms.

Tex., Llano.—Llano County Comms. employed James J. Powers, Engr., Dallas, Tex., to make plans and specifications for proposed bridges.

Va., Lexington.—Rockbridge county, A. T. Shields, County Clerk, contemplates building 1 or 2 bridges.

W. Va., Charleston.—Kanawha county will construct 2 bridges, one over Morris Creek and other over Upper Creek, both in Cabin Creek Dist.; Kanawha County Court, M. P. Malcolm, Prest., receives bids until Aug. 30; F. G. Burdett, County Road Engr. (See Machinery Wanted—Bridge Construction.)

CANNING AND PACKING PLANTS

Ark., Rogers.—Arkansas Evaporating Co., capital \$12,000, inceptd. by M. G. Clymer (Prest.), A. S. Teasdale, M. R. Thompson and others.

Fla., Arcadia.—Arcadia Branch of Citrus Exchange let contract Parker Machinery Co. of Tampa at \$12,750 to furnish machinery for packing plant; construction of building in progress.

Fla., Ocala.—Ocala Citrus Growers' Assn., organized with Jas. G. Glass, Prest., Ocala; I. A. Hapton, V.-P., Floral City, Fla.; El Arney, Secy.-Treas., Ocala; considering construction of central packing plant.

Ga., Atlanta.—Dawson Bros. Mfg. Co. of Memphis, Tenn., and Dallas, Tex., purchased plant of Jones Bros. & Co. and will improve; manufacture preserves, jellies, etc.

Md., Smithsburg.—Williamsport Canning Co., Williamsport, Md., will build plant near Smithsburg to can peaches.

Tenn., Germantown.—H. M. Cottler, Mgr. Farm Development Bureau of Business Men's Club, is promoting organization of company with \$25,000 capital to build cannery.

Va., Newport News.—Newport News Fish & Ice Corp., Louis Feuerstein, Norfolk, Va., Prest., will establish previously-noted sea-produce cold-storage plant; initial building investment about \$100,000. (See Ice and Cold-Storage Plants.)

CLAYWORKING PLANTS

Fla., Eagle Lake.—Bricks.—Lake Region Brick Co., capital \$25,000, inceptd. by S. D. Creel, W. M. Hampton, E. M. Boyd and others.

Ky., Paducah.—Clay Products.—Paducah Clay Co., capital \$4000, inceptd. by N. B. Lindsey, Luther Carson, L. T. Barradell and R. E. Winston.

N. C., Statesville.—Bricks.—Hot Springs Brick Co., capital \$50,000, inceptd. by B. L. Nicholson and others.

Okla., Kusa, P. O. at Henryetta.—Brick and Tile.—Frank C. Nicholson of Nicholson Investment Co. is reported as to build brick and tile works.

W. Va., Shinnston.—Pottery.—Board of Trade considering proposition from Ohio manufacturers for establishment of pottery.

COAL MINES AND COKE OVENS

Ky., Louisville.—Asbury-Kennedy Coal Co., capital \$10,000, inceptd. by Paul Kennedy, J. S. Asbury and J. E. Compton.

Va., Abingdon.—Egerton Coal Corp., capital \$100,000 chartered; W. E. Mingee, Prest.; W. E. Mingee, Jr., V.-P.; J. W. Bell, C. F. Cocke, Secy.; all of Roanoke, Va.

Va., St. Paul.—St. Paul Fuel Co., capital \$25,000, inceptd.; Sam Wilburn, Prest.; M. L. Hillman, Secy.-Treas.

W. Va., Independence.—Preston Coal Co. (C. H. Alderfer of Norristown, Pa., and others) will expend \$30,000 in improvements and enlargement of plant, including water system to cost \$3000. (Lately noted inceptd. with \$300,000 capital stock.)

CONCRETE AND CEMENT PLANTS

Md., Security.—Portland Cement, etc.—Security Cement & Lime Co., offices at Hagers-town, Md., will invest about \$100,000 for improvements to increase capacity for manufacturing Portland cement and lime; improvements to include kiln storage for raw mix, clinker storage and additional grinding machinery.

N. C., Swan Quarter.—Cement.—Mattanuskeet Cement Co., capital \$25,000, inceptd. by F. F. Spencer and others.

COTTON COMPRESSES AND GINS

Ga., Senola.—Senola Oil & Fertilizer Co. will remodel old oil mill buildings, converting same into 8-stamp ginnery and feed exchange; cost of old site \$7500; expend \$3000 on improvements; construction by the company; all present needs of materials and machinery supplied.

Ga., Tallapoosa.—Greene, Hart & Greene will build cotton gin with daily capacity 35 bales; has building; install three 70-saw gins of Gullett type; has let contracts for machinery.

Tex., Caps.—Caps Gin Co., capital \$3500, inceptd. by G. B. Bain, C. R. Lindsey and R. V. Bigham.

Tex., George West.—Live Oak County Gin Co., capital \$5000, inceptd. by Geo. W. West, Albert W. West and B. S. West.

Tex., Houston.—Farmers' Union of Texas is reported as planning to build cotton compress and warehouse; latter to contain storage space for 200,000 to 300,000 bales cotton; estimated to expend \$250,000 to \$300,000.

Tex., Spur.—Citizens' Gin & Power Co. (lately noted inceptd., capital \$10,000) organized; E. Luce, Prest.; L. F. Keisling, Secy.-Treas.; E. Johnson, Mgr.; will erect buildings; gin building 22x30 ft., steel frame with galvanized cover and siding, cost \$1500; seed-house 50x50 ft.; cotton house 22x40 ft.; cost of gin machinery \$6000.

Tex., Vernon.—People's Gin Co., capital \$10,000, inceptd. by Baylis E. Harris, R. T. Harris and E. P. Biron.

COTTONSEED-OIL MILLS

N. C., Scotland Neck.—The Cotton Oil & Ginning Co. will operate lately-noted plant; daily capacity 1400 gals. crude cottonseed oil, 17 tons meal, 9 tons hulls and 4 bales linters; J. D. Barnes, Dunn, N. C., Prest.; J. A. McCotter, Vandemere, N. C., V.-P.; W. E. Smith, Secy., Treas. and Mgr.

Tenn., Memphis.—Valley Cotton Oil Co. completed organization with J. B. Perry, Prest., Grenada, Miss.; A. P. Herron, V.-P., Oakland, Miss.; J. H. McNeill, Secy.-Treas., Decatur, Ala.; increased capital from \$50,000 to \$60,000; purchased Memphis Cotton Co.'s 6-press mill.

Tex., Spur.—Spur Oil Mill Co., E. Johnson, Mgr. (lately noted inceptd., capital \$10,000), will erect 36x80-ft. \$1500 fireproof building.

DRAINAGE SYSTEMS

Fla., Bradentown.—Manatee County Comms., M. G. Rushton, Chrmn., let contract Edgar Chapman to construct Ellenton eastern drain.

Fla., Tallahassee.—Comms. Everglades Drainage Dist. invite bids until Aug. 24 to construct 3 locks and dams. (See Machinery Wanted—Dam Construction, etc.)

Fla., New Smyrna.—Lake Ashby Drainage Dist., Vans Agnew & Crawford of Jacksonville and Kissimmee, Fla., Attys., will appeal to Circuit Court in Sept. for creation of drainage district of about 40,000 acres in Volusia county near New Smyrna; Engr., Isham Randolph & Co., Jacksonville and Chicago, Geo. B. Hills, Engr.-Mgr., 1310 Heard National Bank Bldg., Jacksonville.

Fla., Pinellas County.—Lake Largo-Cross Bayou Drainage Dist. Board of Supvs. contemplates bond issue for drainage about 13,000 acres; estimated cost \$100,000; adopted report and plan of Engr., Isham Randolph & Co., Chicago and Jacksonville, report covering complete main and lateral drainage system; Geo. B. Hills, Engr.-Mgr., Isham Randolph & Co., 1310 Heard National Bank Bldg., Jacksonville.

Fla., Titusville.—Upper St. Johns Drainage Dist. surveys for reclamation of previously-noted 255,000 acres river bottom lands, extending from Ellsmere to Cocoa, have been completed by Engr., Isham Randolph & Co. of Chicago and 1310 Heard National Bank Bldg., Jacksonville, Fla., Geo. B. Hills, Engr.-Mgr.; report and plan being prepared and will be submitted about Sept. 1. (Previously described.)

Miss., New Albany.—Comms. Big Creek Drainage Dist. let contract A. V. Wills & Sons of Paragould, Ark., to construct drainage canal; reclaim 3000 acres; excavate 276,822 cu. yds.

N. C., Newbern.—C. B. Weatherington and others will construct canal to drain Blakely Swamp, about 15 mi. from Newbern; develop land for farming and give access to timber lands; Engr. Colvin is making surveys.

ELECTRIC PLANTS

Ark., Corning.—Geo. A. Booser will change electric-power plant from direct to alternating current and extend transmission system to Success and Datto.

Fla., Daytona.—Daytona Electric Light & Power Co., Michael Scholtz, Prest. and Gen. Mgr., will develop 400 H. P., Daytona and Daytona Beach; construction by the company. (Lately noted inceptd., capital \$500,000.)

Fla., Howey (not a P. O.).—W. J. Howey Land Co., 500 Fort Dearborn Bank Bldg., 76 W. Monroe St., Chicago, Ill., contemplates installation of electric-light plant. (See Land Developments.)

In writing to parties mentioned in this department, it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Ky., Hazard.—Kentucky River Power Co. will build electric plant costing \$300,000; reinforced concrete and steel building; install turbo-generators, etc., for 5000 H. P.; transmit electricity throughout coal-mining district; 15-mi. system, costing \$25,000; R. L. Cornell, Mgr. and Engr., Hazard; company's plan to organize, etc., lately outlined. (See Machinery Wanted—Electrical Transmission Materials.)

Ky., Lancaster.—City, L. G. Davidson, Mayor (lately noted contemplating water-works construction), proposes to replace present privately-owned plant with municipal plant; estimated cost, including electric pumps for water-works, \$18,000; plans include 2 150 H. P. boilers, 120 K. W. and 60 K. W. generators, with Corliss engines.

La., New Orleans.—City engaged Fred W. Ballard, Engr., Cleveland, O., to make surveys and prepare plans for electric-light plant; W. J. Hardee, City Engr. (lately noted.)

N. C., Hickory.—City will grant franchise to operate electric-light, power, fuel and heat plants for 30 years; invites bids until Oct. 12; S. C. Cornwell, City Mgr. (See Machinery Wanted—Electric-light Plant.)

N. C., LaGrange.—H. H. Sutton & Son, owners of local electric-light plant, are building power-house and will install 75 H. P. Sanson water turbine, 37 K. W. to 50 K. W. generator and 50 to 75 H. P. oil engine.

N. C., Southport.—Southport Light & Power Co. contemplates installing 80 H. P. crude-oil engine, two 20 K. W. transformers, 15 K. W. transformer, etc.

N. C., Wake Forest.—Electric-Light Comm., J. L. Bullard, Supt., contemplates purchasing 150 H. P. boiler, 125 H. P. automatic or turbine engine, 75 K. V. A. 3-phase generator, exciter, switchboard and feeder panel.

Okla., Kusa, P. O. at Henryetta.—Kusa Townsite & Improvement Co. is reported interested in plan to build electric-light plant.

Okla., Marshall.—City voted \$25,000 bonds to construct electric-light and power plant. Address The Mayor.

Okla., Wirt.—W. E. Gupton will organize company to build electric-light and power plant.

Tenn., Henderson.—City voted bonds to construct electric-light plant, water-works and sewer system. J. I. Galbraith, Mayor. (This supersedes recent item.)

Tenn., Lonsdale, Station No. 7, Knoxville. City contemplates installing incandescent lights; Dr. H. E. Christenberry, Mayor.

Tex., Skidmore.—Texas Southern Electric Co., Fred C. Greer, Local Mgr., Beeville, Tex., contemplates constructing electric transmission system from Beeville to Skidmore.

FERTILIZER FACTORIES

Md., Baltimore.—G. Ober & Sons Co., U. S. Fidelity & Guaranty Bldg., will enlarge fertilizer factory at foot Hull St., Locust Point; renovate present plant; additional building 180x330 ft.; structural steel frame; siding and roof asbestos-covered metal; part of material and equipment bought; construction largely by company's force under supervision; let contract for bulkheads and foundations to Sanford & Brooks Co., Commerce and Water Sts., Baltimore; for siding and roofing metal to Asbestos Protected Metal Co. of Pittsburgh, O. D. Robinson, agent, 415 Equitable Bldg., Baltimore; for structural steel to Pittsburgh (Pa.) Bridge & Iron Co.; total cost about \$100,000; E. C. Miller, Consult. Engr., 525 W. 27th St., Baltimore.

FLOUR, FEED AND MEAL MILLS

Ark., Little Rock.—J. F. Weinmann Milling Co., J. F. Weinmann, Pres., and J. A. Weinmann, Secy., purchased 3½-acre site; will erect mill for manufacturing cornmeal, corn chops, mixed feeds and molasses feeds; install corn dryer and oat bleacher; contemplates installation of mill to grind alfalfa hay; will "be ready to figure on plans about Nov. 1;" intends to build elevator with capacity of 75,000 to 100,000 bus. bulk grain and warehouses with capacity of 50 to 75 cars sacked grain and feed.

Okla., Haskell.—Farmers' Mill & Elevator Co., capital \$5000, inceptd. by Cleat Peterson, Theo. B. Monical and E. B. Harrus.

Tex., Denison.—Steger Milling Co., Gus Steger, Secy., Treas. and Mgr., Bonham, Tex., lately noted as purchasing Denison Mill & Grain Co.'s plant, acquired the properties of that company in Texas and Oklahoma; advises: "Expect to put in flour mill in Denison during next year, but not ready to build now."

FOUNDRY AND MACHINE PLANTS

Md., Hagerstown.—Farming Implements.—Wm. H. Roe Harvester & Implement Co., capital \$20,000, inceptd. by Andrew K. Coffman, Mayberry I. Patterson, Chas. F. Stroble and others; to manufacture corn-harvesting machine.

Mo., Kansas City.—Gas Heating.—Rector Gas Heating Co., capital \$100,000, inceptd. by Geo. H. Oddyke, O. M. Edmensen and Paul W. Bradley.

Mo., Kansas City.—Foundry.—Gate City Foundry Co., capital \$2000, inceptd. by Wm. L. Karnes, T. J. Sheldon and N. Dee Barr.

Mo., St. Louis.—Machine Shops, etc.—Fulton Iron Works is preparing plans for 150-ft. addition to machine shops and foundry—will also erect office building.

Okla., West Tulsa.—Steel Plate Work.—Tulsa Boiler & Mfg. Co., J. E. Carnahan, Pres., and J. M. Hughes, Detroit Hotel, Tulsa, Mgr., will rebuild plant lately noted burned; erect 60x150-ft. structural steel building and 50x80-ft. brick or structural building; cost of these structures, \$60,000; now receiving bids; install equipment; products: machine work—tanks, boilers, stacks, and all kinds of plate work. (See Machinery Wanted—Rolls (Bending); Electric Motors; Cranes (Electric).)

Va., Lynchburg.—Drinking Bowl.—J. M. B. Lewis (Archit. and Engr.) contemplates producing cast-iron drinking bowl for watering livestock; invention of Mr. Lewis. (See Machinery Wanted—Castings.)

GAS AND OIL ENTERPRISES

Ala., Mobile.—Oil Station.—Texas Co. (main office, Houston, Tex.) will erect fireproof building to replace burned plant; brick and corrugated iron; cement floors; cost about \$10,000; equipment to include fire apparatus and lightning arresters. (Lately noted.)

Louisiana.—Texila Oil Co. inceptd. by Dr. E. A. Hawley and C. L. Hopkins of Texarkana, Tex.; R. C. Hawley, Sulphur Springs, Tex., and others; leased oil lands and plans development.

La., Crichton.—Oil-pipe Line, etc.—Wm. Edenborn, Pres. Louisiana Ry. & Navigation Co., Hibernia Bank Bldg., New Orleans, is reported as considering construction of pipe line from Crichton to Baton Rouge and erection of refinery at terminus.

La., Lake Charles.—Gas System.—City granted franchise J. C. Fressler and G. C. Boyle to manufacture and distribute gas; 15 mi. mains; daily capacity 200,000 ft.; franchise subject to election.

La., Shreveport.—Bird Bros Oil Co., capital \$50,000, organized by R. E. Allison, John Bird, T. E. Bird and others; will develop oil wells.

La., Shreveport.—Ford Co., capital \$50,000, inceptd. by J. McW. Ford, Pres., Shreveport; W. H. Hodges, Jr., V.-P., Elm Grove, La.; W. C. Nabors, Secy.-Treas., Shreveport, La.

La., Shreveport.—Giddens Oil & Gas Co., capital \$35,000, inceptd. by T. K. Giddens, Pres.; J. L. Hodges, V.-P.; J. C. Trichel, Secy.-Treas.

Miss., Corinth.—Corinth Oil & Refining Co., capital \$50,000, inceptd. by A. W. Chambliss, A. Shallday, K. Cowles and others.

Okla., Holdenville.—Penn Gas Co., capital \$50,000, inceptd. by E. C. Dunn of Holdenville, R. H. Smith and A. R. Shuster of Pittsburgh, Pa.

Okla., Holdenville.—N-L Oil Co., capital \$10,000, inceptd. by C. W. Snider, T. F. Roberts and N. L. Linebaugh.

Okla., Jennings.—Jennings Gas Co., capital stock \$10,000, inceptd. by Bird McGuire, Tulsa; Fred S. Liscum and M. A. Liscum, Pawnee.

Okla., Muskogee.—McIntosh Oil & Gas Co., capital \$10,000, inceptd. by E. H. Bispham of Muskogee, John H. Stewart and A. J. Welch of McAlester.

Okla., Tulsa.—Ruxton Oil Co., capital \$250,000, chartered by J. S. Cosden, M. D. Sanford and E. R. Perry.

Okla., Tulsa.—Addison Oil Co., capital \$5000, inceptd. by J. E. Washington, Jr., Winston P. Henry and F. W. Dillard.

Tennessee.—Harry L. Broh and Chas. H. Bronson of Huntington, W. Va., will organize company to develop oil and has lands in Tennessee.

Tex., Cameron.—Milam Oil & Gas Co., capital \$45,000, inceptd. with C. B. Porter, Pres.; T. G. Frazee, Secy.; A. R. Howard, Treas.; controls 2095 acres in Milam county; will let contract to drill 3 test wells to minimum depth of 1500 ft. and maximum depth of 2500 ft.

Tex., Galveston.—Gas Plant.—Texas Light & Power Co. will make various improvements to Galveston Gas Co.'s plant costing \$150,000, to include: Gas-making and gas-purifying machinery; 2 brick buildings, each 45x45 ft., one for steam and governor housing and other for shop; also remodel office at 2422 Market St.; equipment ordered. (Lately noted to have purchased Galveston Gas Co.'s plant and to improve.)

ICE AND COLD-STORAGE PLANTS

Fla., Howey (not a P. O.).—W. J. Howey Land Co., 500 Fort Dearborn Bank Bldg., 76 W. Monroe St., Chicago, Ill., contemplates installation of ice plant. (See Land Developments.)

Fla., Marianna.—City will vote on \$17,000 bonds to build ice plant. Address The Mayor. (Lately noted.)

La., New Orleans.—American Fish Co., Poydras and Baronne Sts., let contracts Jefferson Construction Co., New Orleans, and H. N. Moody to remodel purchased building; cost not decided; plans by Rathbone De Buys; D. C. O'Malley, Pres. of American Fish Co.; S. E. Redfern, V.-P. and Gen. Mgr.; other officers not selected. (Lately noted.)

La., New Orleans.—National Co-operative Produce & Cold-Storage Co., 205 Queen and Crescent Bldg., capital \$500,000, organized; is reorganization and renaming of lately noted National Fish, Game, Produce & Ice Co.; O. B. Delord, Pres.; Wm. Betz, 1st V.-P.; Bernard Potin, 2d V.-P.; Adam Zehender, 3d V.-P.; Dr. Wm. B. Clark, Treas.; F. F. Philibert, Sr., Secy. and Gen. Mgr.; proposes erection cold-storage and ice plants at both ends of city limits, one in Carrollton, other in parish of St. Bernard, with large warehouse and cold-storage plant located centrally on river front; contemplate chain of 70 or more stores.

Md., Baltimore.—American Ice Co., New York, will insulate building on Montford Ave. near Chase St. and install ice machinery; building 155x48 ft. and 70x68 ft.; plant to have capacity 100 tons daily; Baltimore office in Calvert Bldg.

Md., Hagerstown.—D. Ramacciotti will erect cold-storage plant; brick and cement; 10x80 ft.

Okla., Ardmore.—Nineteen Sixteen Oil Co., capital \$50,000, inceptd. by W. B. Johnson and H. W. McGill of Ardmore, A. W. Staitl, San Antonio, Tex., and others.

Okla., Sapulpa.—Sapulpa Petroleum Co., capital \$10,000, inceptd. by B. I. Davis, D. J. Childs and E. P. Burnett.

Okla., Tulsa.—Alta Oil & Development Co., capital \$4000, inceptd. by Carden Green, J. B. Levy and W. B. Flynn of Tulsa and Wm. Sacks of St. Louis, Mo.

Okla., Tulsa.—Periscope Oil Co., capital \$100,000, inceptd. by Robt. Ledbetter, W. N. Hayes, L. L. Marcell and others.

Tex., Laredo.—Consumers' Ice Co., Sam Mackin, Mgr., will erect ice and cold-storage plant; 2 stories; 50x75 ft.; estimated cost \$12,000; McCandlish Engineering Co., Engr., 724 Midland Bldg., Kansas City, Mo.

Va., Newport News.—Newport News Fish & Ice Corp. (financed by Arthur Longley & Co., Boston) organized; Louis Feuerstein, Norfolk, Va., Pres.; J. J. Lane, Providence, R. I., V.-P. and Gen. Mgr.; Earle C. Huckins, Secy.-Treas.; will establish sea-produce cold-storage plant; also operate general cold-storage plant; will erect buildings; purchased a former brewery building and will remove part of this purchase to new location, utilizing the machinery, ammonia pipe and other cold-storage equipment; initial investment in buildings about \$100,000; construction under supervision of superintendent; reported that supplies and machinery are mainly contracted. (Noted in October, 1914.)

IRON AND STEEL PLANTS

W. Va., Benwood.—Steel Mill.—National Tube Co., Wheeling, W. Va., is rumored as planning to build additional steel mill costing several million dollars.

LAND DEVELOPMENTS

Fla., De Soto County.—Federal Realty Co., Jacksonville, Fla., purchased 18,000-acre tract (mainly) prairie land; will develop for sale to farmers and stockmen. (See Machinery Wanted—Tractor.)

Fla., Howey (not a P. O.).—W. J. Howey Land Co., 500 Fort Dearborn Bank Bldg., 76 W. Monroe St., Chicago, Ill., will develop 80,000 acres in Lake county; build central town on banks of Lake Harris, near Yahala; proposes \$100,000 50-room hotel, stucco over brick-vener construction; \$10-

600 bank building; brick or stone store building; installation of electric-light, ice and water plants; prices not asked until architectural plans are perfected; contemplates beginning developments within 60 days.

Fla., St. Augustine.—Chas. L. Lyon and others will organize company to establish 18-hole golf course and erect clubhouse; site 340 acres; H. E. Bemis, Gen. Mgr. Florida East Coast Hotel Co., will supervise construction; estimated cost \$100,000.

Mo., St. Louis.—Servazius Franz and Henry Corn purchased property in South St. Louis containing about 1750 front ft. and will improve; construct granitoid sidewalks, water mains, sewers, etc.

N. C., Charlotte.—Mayfield Co. will develop "Mayfield" subdivision; grading, water, lights and sewers; Engrs., Blair & Drane, 1205 Commercial Bldg., Charlotte.

Okla., Kusa, P. O. at Henryetta.—Kusa Townsite & Improvement Co. plans extensive land developments in connection with development of new industrial city.

S. C., Greenville.—Enoree Land Co., capital \$50,000, inceptd. by J. T. Westervelt, Lewis W. Parker, Hamlin Beattie and Perry Beattie.

Va., Bristol.—Frank Miller Land Corp., capital \$25,000, chartered; Frank H. Miller, Pres., Bristol, Va.; Geo. W. Holloway, Secy. and Treas., Bristol, Tenn.; will subdivide and sell farm lands and city lots.

Va., Richmond.—Leprice Land Corp., capital \$15,000, chartered; W. I. Johnson, Pres.; S. P. B. Steward, Secy.

Va., Roanoke.—Stutsman Orchard & Supply Co., capital \$10,000, inceptd.; C. A. Stutsman, Pres.; W. P. Bowling, V.-P.; Clara V. Stutsman, Secy.-Treas.

W. Va., Ceredo.—Camden Heights Co., First National Bank Bldg., purchased 166 acres land near Ceredo and will develop as residential and factory subdivision; plans to establish townsite of Camden Heights.

W. Va., Huntington.—Woodland Terrace Co., capital \$4000, inceptd.; R. W. Breece, Pres.; P. M. Livezey, V.-P.; F. O. Renshaw, Treas.; develop 35 acres; grade streets and roads; no bids; work by force account; Engrs., Renshaw & Breece, Huntington.

LUMBER MANUFACTURING

Ala., Kushla.—Payne Station Lumber Co., capital \$10,000, inceptd.; H. C. Taylor, Pres., Mobile; Wm. Morris, V.-P., Chunchula, Ala.; W. D. Taylor, Secy.-Treas., Mobile.

Ala., Silas.—S. H. Bollinger & Co., Shreveport, La., lately noted as building and installing sawmills, states are removing single band sawmills from Bollinger to Silas, where the company owns timber; equipment practically supplied.

Ga., Baden, R. D. from Quitman.—G. W. Barrington of Quitman purchased timber tract for \$40,000 and will develop; rebuild J. R. Thompson mill previously reported burned.

Mo., Kennett.—Lasswell Lumber Co., J. P. Lasswell, Pres., and L. B. Erwin, Mgr., will rebuild lumber plant lately noted burned; install planing-mill machinery.

N. C., Browns Summit.—Sam G. Lomax is reported to rebuild lumber plant and planing mill reported burned at loss of \$5000.

S. C., Sardinia.—Black River Cypress Lumber Co., capital \$250,000, completed organization with Chas. P. Gable, Pres., New Orleans; H. B. Hewes, V.-P., Jeanerette, La.; L. W. Gilbert, Treas., Donner, La., and A. G. Gearhard, Secy., Litcher, La.; will build single-band and resaw mill with annual capacity 20,000,000 ft.; develop timber properties in Clarendon and Sumter counties.

Va., Norfolk.—Chester Lumber Co., capital \$15,000, inceptd.; A. F. Cathey, Pres., Norfolk; Alphonso Newton, V.-P., and Alexander Newton, Secy.-Treas., both of Petersburg, Va.

METAL-WORKING PLANTS

Tenn., Maryville.—Aluminum.—Aluminum Co. of America, Pittsburgh and New York, is reported as planning to begin construction 7 hydro-electric plants for ultimate development 500,000 horse-power and extension aluminum works. (See Water-power Developments.)

MINING

Ark., Marshall.—Lead and Zinc.—Evening Star Mining Co. (lately noted inceptd., capital \$25,000) will develop 120 acres; daily capacity 100 tons; machinery purchased; concentrating plant, cost \$5000; C. C. Taylor, Pres. and Mgr.; A. L. Haynes, V.-P.; B. M. Todd, Secy.-Treas.

Ga., Thomasville.—Fuller's Earth.—E. B. Thompson is interested to promote mining

of fuller's-earth tract of several hundred acres. (See Machinery Wanted—Fuller's Earth.)

Mo., Joplin—Lead and Zinc.—Crown Point Mining Co., capital \$20,000, incptd. by Herbert Taylor, Phil Gray and Rufus Butts.

Mo., Joplin—Lead and Zinc.—Margaret D. Mining Co., capital \$25,000, incptd. by D. D. Dewing, Ina Dewing, Willard L. Butts and others.

Mo., Prosperity—Lead and Zinc.—Dr. P. G. Brumbaugh, Dr. W. L. Witter and E. A. Loughran, all of Milan, Mo., and others plan improvement to Florine M. mine, to include compressor, 6 additional drills, etc.; double capacity.

Mo., Joplin—Lead and Zinc.—O. W. Sparks will build 400-ton concentrating plant; let contract Tom Tarr for mill.

Mo., Joplin—Lead and Zinc.—St. Joseph Mining Co., capital \$70,000, incptd. by Geo. A. Barnett of Joplin, J. W. Ground and Harold G. Dick of Kansas City.

Mo., Joplin—Lead and Zinc.—Big Boys Mining Co., capital \$15,000, incptd. by P. L. Barnes, E. Walton and S. M. Barnes.

Mo., Joplin—Lead and Zinc.—Creek Mining Co., capital \$50,000, incptd. by O. Longacre, Jr., and P. B. Butler of Joplin and J. E. Reno of Carthage, Mo.

Mo., Kansas City—Lead and Zinc.—Coyote Mining Co., capital stock \$10,000, incptd. by John W. Hoffman, Fred Ruark and John Taylor.

Mo., Kansas City—Lead and Zinc.—Fidelity Mining Co., capital \$10,000, incptd. by John W. Hoffman, Fred Ruark and John Taylor.

Mo., Springfield.—Missouri-Arkansas Development Co., capital \$5000, incptd. by R. S. Wickersham, K. V. Loba and E. S. McAfee.

Mo., Webb City—Lead and Zinc.—Munson Mining Co., capital \$2400, incptd. by Goldie B. Munson, T. H. Pearson and Wm. H. Williams.

N. C., Asheville.—Lime Rock.—James E. Rector, 11 Church St., and others are interested in proposed quarrying and grinding of agricultural lime. (See Machinery Wanted—Quarrying (Lime Rock) Machinery.)

N. C., Candor—Gold.—Eureka Mining Co., High Point, N. C. (lately noted incptd., capital \$10,500), organized; Wm. L. Stamey, Pres.; E. A. Hammer, V.-P.; D. E. Hammer, Secy.-Treas.; develop 75 acres gold property in Montgomery county; open machinery bids about Oct. 1. (See Machinery Wanted—Mining (Gold) Equipment.)

Okla., Kusa (P. O. at Henryetta).—Nicholson Construction, Kansas City, Mo., will build smelter; 2 units of plant to be completed in Nov. to have daily capacity 100 cars ore; eventually plant will consist of 5 units.

Okla., Tulsa—Lead and Zinc.—Consolidated Lead & Zinc Co., capital \$100,000, incptd. by J. C. Letcher, J. P. Given and F. W. Given.

Okla., Tulsa—Lead and Zinc.—Consolidated Lead & Zinc Co., capital \$100,000, incptd. by John P. Given, F. W. Given, J. C. Letcher and C. S. Girard.

Okla., Tulsa—Lead and Zinc.—Consolidated Lead & Zinc Co., capital \$100,000, incptd. by J. C. Letcher, J. P. Given and F. W. Given.

S. C., Walhalla—Gold.—Guy L. Grover and Frank P. Peterson, Engrs., Tulsa, Okla., are reported to make examination of gold properties in Cheochee Valley near Walhalla.

Tenn., Knoxville—Marble.—Holston Marble Co. increased capital from \$50,000 to \$70,000.

Tenn., Nashville—Stone.—Lightman Stone Co., capital \$40,000, incptd. by M. A. Lightman, Louis Shapilinski, Jennie Shapilinski and Fannie Lightman.

Tex., Dallas.—Savanna Mining Co., capital \$5000, incptd. by A. D. Clark, F. I. Clark and H. W. Adams.

Tex., Houston—Gravel.—Shepherd Gravel Co. engaged J. G. Browne Co., 708 Stewart Bldg., Houston, to draw plans for hydraulic gravel plant and 2 1/2 mi. 56-lb. steel railway track. (See Machinery Wanted—Gravel Plants; Rails; Locomotive.)

Va., Christiansburg.—Sandstone.—Colbourn, Tallant & Co. interested in proposed development of sandstone. (See Machinery Wanted—Mining (Sandstone) Machinery.)

W. Va., Huntington—Lead and Zinc.—Federal Zinc & Lead Co., capital \$200,000, incptd. by Frank Ellington, Frank Enslow, Jr., G. D. Miller and others; will develop 400 acres lead and zinc property; issue \$200,000 bonds to purchase property; use stock subscriptions for equipment and operation of mines.

MISCELLANEOUS CONSTRUCTION

Ala., Montgomery—Lock Gates.—War Department, U. S. Engineer Office, asks bids until Sept. 20 for lock gates. (See Machinery Wanted—Lock Gates.)

Ark., Grubbs—Levee.—Jackson county will construct road levee across Cache Bottom in Road Dist. No. 5, Grubbs Township; 16,000 cu. yds. earth; G. L. Robinson, County Clerk, Newport, receives bids until Aug. 21; W. D. McLain, County Judge, Newport. (See Machinery Wanted—Levee Construction.)

Ark., McGehee—Levee.—Red Fork Levee Board let contract Dennison & Rodgers Bros. of Memphis, Tenn., to construct 345,000 cu. yds. levee work.

Ark., Pine Bluff—Levee.—Farrelly Lake Levee Dist. let contract Halleck & Thom of Little Rock at \$35,000 to construct 4 mi. of levees.

Fla., Pass-a-Grille—Pier.—City Commrs. voted to issue \$9000 bonds for public improvements to include public amusement pier at foot of Main St., 1200 ft. over Gulf of Mexico.

Fla., Sanford—Dock and Warehouse.—Clyde Steamship Co., Capt. W. M. Tupper, Supt., Jacksonville, let contract S. D. Shinholler of Sanford to construct dock and warehouse; dock 100x50 ft. and warehouse 120x50 ft.; cost about \$15,000.

Fla., St. Petersburg—Swimming-pool.—B. A. Lawrence, Jr., will construct swimming-pool, 40x100 ft., at the Spa; erect building around pool, roof of which is to be supported by steel girder; gallery around interior; estimated cost \$10,000; let contract Southern Concrete & Construction Co. of St. Petersburg.

Ga., Toccoa—Dam.—City will construct sectional concrete-wood dam; bids until Aug. 20 for dams of two heights; spillway with elevation of 111.00 and bulkhead of 114.5; spillway having elevation of 116.00 and bulkhead of 119.5; H. M. Nabstedt, Engr.; H. J. Cox, City Clerk; lately noted. (See Machinery Wanted—Dam Construction.)

La., Alexandria—Levee.—Red River, Atchafalaya and Bayou Boeuf Levee Board will invite bids to construct 3 sections of levee aggregating 695,000 yds.; issues \$160,000 bonds.

La., New Orleans—Wharf.—City let contract Jefferson Construction Co. at \$17,498.68 to build Julia St. wharf and extension to Girod St. wharf; J. Devereux O'Reilly, Engineer, Suite 200 New Orleans Court Bldg. (Call for bids lately noted.)

Md., Baltimore—Coal Pocket.—C. Hoffberger & Co. let contract to Special Engineering Co., Philadelphia, to construct coal pocket at 530 E. Monument St.; about 46x48 ft.; reinforced concrete and steel; cost about \$15,000; Geo. R. Callis, Archt.; 55 Knickerbocker Bldg., Baltimore.

Md., Baltimore—Crane Runway.—Baltimore & Ohio R. R. will extend crane runway at Mount Clare from boiler-room into yard; about 200 ft.; cost about \$5000; work by company's force; M. A. Long, Engr.

Miss., Waveland—Seawall.—Seawall Commissioners of Dist. No. 1, Chas. W. Shepard, Secy., Bay St. Louis, Miss., will construct seawall on and along beach at Waveland, about 800 ft.; invite plans and specifications until Sept. 1. (See Machinery Wanted—Seawall Construction.)

Mo., St. Charles—Levee.—Henry Ohmes, Dr. August Westerfeld and others are interested in construction of levee.

Mo., St. Louis—Terminals.—St. Louis Ry. & Dock Co. signed contract with Director of Public Utilities for authority to use municipal terminal belt and dock facilities; to build 1,000,000 bus. fireproof grain elevator within 3 years at Chain of Rocks; estimated cost \$450,000; also plans to establish barge line on Mississippi River, construct terminals, etc., investing total of about \$3,000,000. (Lately noted incptd. to operate fleet of barges, etc.)

S. C., Charleston—Bulkhead.—Charleston Engineering & Contracting Co. is lowest bidder at \$8745 to construct timber bulkhead on site of lighthouse depot on Ashley River; length 520 ft.; width 50 ft.; H. L. Beck, Lighthouse Inspector. (Call for bids lately noted.)

Tenn., Lexington—Dredging.—Henderson county will dredge Sellers' Ditch, removing 36,000 cu. yds. earth; Drainage Commrs., Otis A. Benton, Secy., receives bids until Sept. 7. (See Machinery Wanted—Dredging.)

Va., Norfolk—Dredging.—Government let contract Sanford-Ross Co. of Jersey City, N. J., at \$119,000 to dredge in Virginia cut of Albemarle and Chesapeake Canal; work includes deepening and widening of canal for 3 1/2 mi. in Virginia part of canal.

MISCELLANEOUS ENTERPRISES

Ark., Little Rock—Grain Elevator.—J. F. Weinmann Milling Co. will be ready to figure on plans about Nov. 1 for construction, including lately-reported elevator; latter to have capacity of 75,000 to 100,000 bus. bulk grain. (See Flour, Feed and Meal Mills.)

Ky., Covington—Laundry.—Sunlight Laundry Co., Court Ave. (temporary address, 427 Madison Ave.), organized; A. G. Simrall, Pres.; Wm. P. Simrall, Jr., V.-P.; Geo. P. Diehl, Secy.-Treas.; will erect 100x70-ft. \$15,000 mill-construction building; separate contracts; plans by G. W. Schofield, Covington; install power plant, 150 H. P. boiler, 75 H. P. engine and 50 K. W. D. C. generator; machinery largely purchased. (Lately noted incptd., capital \$50,000.)

Ky., Louisville—Grain Elevator.—W. A. Thompson will build grain elevator; 105 ft. long, 63 ft. wide and 150 ft. high; bins 65 ft. high; concrete and steel construction; site contains 1500 sq. ft.; capacity 350,000 bus., capable of handling 100,000 bus. corn daily; estimated cost \$70,000; probably let contract Burrell Engineering Co. of Chicago.

La., New Orleans—Grain Elevator—Dock Board has plans by Ford, Bacon & Davis, Engrs., 921 Canal St., New Orleans, for grain elevator; 60 storage bins, each 85 ft. high; distributing system to have 3 belts; 2 receiving elevators, 4 shipping elevators and 1 drier elevator, all from 20,000 to 25,000 bu. hourly capacity, excepting drier conveyor, which will have hourly capacity of 10,000 bu.; track shed conveying equipment from car hopper to receiving legs to consist of 40-in. belts with capacity of from 20,000 to 25,000 cu. ft. per hour; total capacity of elevator, 1,021,550 bu.; shipping facilities to have hourly capacity of from 80,000 to 100,000 bu. per hour. (Lately noted.)

Md., Baltimore—Electrical Contracting.—Breuckmann-Abrahams Electric Co., \$25,000 capital stock, incptd. by A. C. Breuckmann, Pres.; Edw. S. Abrahams, V.-P., and Ralph C. Sharretts, Secy.-Treas.; office, 810 Keyser Bldg.; electrical contracting.

Mo., Caruthersville—Grain Elevator.—Caruthersville Cotton Oil Co. will build elevator; contemplated capacity, 200,000 bu.; cost \$12,000 to \$13,000.

Mo., St. Louis—Printing.—Beckhold Printing & Book Mfg. Co. leased building at 2d and Pine Sts.; will remodel under supervision of Isaac S. Taylor, Archt., and Murch Bros. Construction Co.; install printing machinery.

N. C., Charlotte—Electrical Engineering and Supplies.—H. L. Dearborn, 330 S. Tryon St., will establish general electrical business. (See Machinery Wanted—Electrical Supplies.)

N. C., Raleigh—Brokers' Agent, etc.—J. S. Wilson, Bailey, N. C., will establish brokers' and distributors' office in Raleigh or in Richmond, Va. (See Machinery Wanted—Foods and Feed Products; Household Specialties.)

Okla., Beaver—Construction.—Beaver Construction Co., capital \$10,000, incptd. by J. H. Morgan of Alva, Okla.; Jos. A. Tack and Leo Tack of Wichita, Kans.

Okla., Oklahoma City—Publishing.—Oklahoma Law Journal Publishing Co., capital \$1000, incptd. by Chas. F. Barrett, S. R. Warden and W. P. Stewart.

Okla., Oklahoma City—Publishing.—Stealey Book & Publishing Co., capital \$10,000, incorporated by C. P. Stealey, Anna J. Stealey and C. C. Stealey.

Tenn., Columbia—Abattoir.—Richardson Lumber Co. has contract to build abattoir of Palace Meat Market.

Tex., Del Rio—Laundry.—Del Rio Steam Laundry, Box 112, C. A. Chastang, Mgr., will rebuild plant lately noted burned; let contract to Martin Brauer, Del Rio, on 40x70-ft. fireproof building, cost about \$2000; opened bids Aug. 10 on machinery, cost \$2500.

Tex., Galveston—Contracting.—Good Roads Construction Co., capital \$15,000, incptd. by Sam Fridner, J. H. Hawley and David S. Fridner.

Tex., Marble Falls—Incinerator.—City, R. E. Johnson, Mayor, will install garbage incinerator plant; about 2 tons capacity. (See Machinery Wanted—Incinerator.)

Tex., Wichita Falls—Cattle.—Joyce Land & Cattle Co., capital \$70,000, incptd. by Frank Kell, R. H. Joyce, Chas. W. Rountree and J. C. Myttinger.

Va., Cape Charles—Hardware.—Cape Charles Hardware Co., capital \$50,000, incptd. by W. B. Wilson, Pres.; Upshur Wilson, Secy.-Treas.

Va., Hopewell—Publishing.—Hopewell Publishing Co., capital \$25,000, incptd. by Eugene

W. Gill, Pres.; Wm. S. Gill, Secy.-Treas.; both of Richmond.

Va., Richmond—Contractors and Plumbers' Supplies.—Contractors & Plumbers' Supply Corp., capital \$25,000, chartered; T. A. Somers, Pres.; Ola B. Lovell, Secy.; E. W. Evans, Treas.

MISCELLANEOUS FACTORIES

Ala., Birmingham—War Munitions.—Southern Munitions Corp., \$50,000 capital, organized by interests closely connected with Alabama Power Co., James Mitchell, Pres., Birmingham, and 120 Broadway, New York; purpose is to facilitate obtaining contracts for war materials that can be manufactured in Birmingham district; principal motive is to encourage introduction new manufacture in district where Alabama Power Co. is interested.

Ala., Gadsden—Mattresses, etc.—Alabama Mattress Co. organized; authorized capital \$10,000; J. Nadler, Pres.; W. T. Murphree, V.-P., both of Gadsden; L. Gold, Secy., New York. (This supersedes recent item.)

Ark., Argenta—Sulphuric Acid.—Arkansas Fertilizer Co., Hayley M. Bennett, Pres., will build plant to manufacture sulphuric acid for use in manufacture of commercial fertilizer; fireproof; electric power; steel, hollow tile and sheet lead construction; require about 300,000 lbs. of latter material; 5-chamber plant with annual capacity of 12,000 tons sulphuric acid; cost \$90,000 to \$95,000.

D. C., Washington—Moth Bags.—Standard Moth Bag Co., capital \$50,000, incptd.; Chas. A. Hawley, Pres. (1624 1 St. N. W.); Nejob Hickmain, Secy.-Treas.

Fla., Pensacola—Aeroplane.—Pensacola Aero Station, Capt. Mastin, Commandant, will soon begin operating machine shops to repair aeroplanes and manufacture parts, excepting motors; Navy Dept. contemplates expenditure of \$110,000 for erecting hangars, \$90,000 for building floating dirigible shed, \$15,000 for remodeling building for hospital, \$15,000 for remodeling building for storehouse, \$5000 for remodeling seamen's barracks, etc.

Ga., Augusta—Drugs.—Cotton Belt Drug Co., capital \$5000, incptd. by R. J. Videtto, R. H. Videtto, John Philinz and W. B. Marks.

Ky., Louisville—Bottling.—Our Cola Co., capital \$10,000, incptd. by Ed. H. Schaefer, Philip Eisenbels and Jos. V. Spaninger.

Ky., Louisville—Fuel-saving Device.—Nicholson System Sales Co., capital stock \$6000, incptd.; D. L. Taylor, Pres.; N. O. Garr, V.-P.; J. C. Hanna, Secy.-Treas.

Md., Baltimore—Shipbuilding.—Baltimore Drydocks & Shipbuilding Co. let contract to Chesapeake Iron Works, Severn and Hayard Sts., Baltimore, to erect ship-fitter shop at Locust Point yards; 60x220 ft.; steel; also let contract to Richard Morton, 820 Equitable Bldg., Baltimore, for 5-ton overhead electric crane for same building. (Other details lately noted.)

Md., Baltimore—War Munitions.—Bartlett-Hayward Company, Scott and McHenry Sts., will erect 22 buildings for filling shrapnel shells with high explosives on recently acquired land on lower Baltimore harbor near Dundalk; 20 buildings for factory purposes; each 175x300 ft.; 1 tool shop; 1 office building; steel construction; let contract to drill artesian well and pipe water to buildings; let contract to erect boiler and electric house at Scott and Ramsey Sts. to J. Henry Miller, Inc., Eutaw and Franklin Sts., Baltimore; 1 story; 43.10x62.6 ft.; fireproof; cost \$3500.

Md., Baltimore—Denatured Alcohol.—American Distributing Co., H. J. M. Cardesa, Pres., 27 William St., New York, will build denatured alcohol distillery; now excavating and grading; reports state plans for 12 buildings, including one nearly 300 ft. long; has drilled 2 artesian wells and erected temporary pump-house; will drill wells until have daily capacity 3,000,000 gals. water; Wm. G. Gishel Co., Curtis Bay, Md., has contract for wells and concrete construction for buildings; Ansonia Copper & Brass Co., Cincinnati, O., has engineering and construction contract; plant site is at Curtis Bay, near Baltimore, where will dredge channel and construct pier; total estimated cost reported as \$1,000,000; Dr. Nelson Mayer, Supt. of Construction, at plant site.

Mo., St. Louis—Shoes.—United Shoe Mfg. Co., capital \$100,000, incptd. by John A. Rush, E. R. McCarthy, H. S. Hutchins and Wm. Krall.

N. C., Greensboro—Rifles, etc.—Newman Machine Co., Jackson St. and Southern Ry., contemplates manufacture of war munition,

In writing to parties mentioned in this department, it will be of advantage to all concerned if the Manufacturers Record is mentioned.

including rifles. (See Machinery Wanted—Arms and Ammunition Machinery and Materials.)

N. C., Lexington—Creamery.—R. L. Coons of Hickory, N. C., is organizing co-operative creamery company.

S. C., Florence—Bakery.—Kafer's Bakery, capital \$5000, inceptd. by A. O. Kafer and M. W. Kafer.

Okla., Sand Springs—Glass.—Kerr Glass Co. will improve plant to double capacity; build additional tank and erect warehouse.

S. C., Greenville—Bakery.—Greenville Bakery Co. will build bakery at E. Washington and Irvine Sts.; 2 stories; 65x100 ft.; hardwood maple floors; white-enamel walls; 2 ovens and baking equipment.

S. C., Laurens—Plow Stock.—W. B. Bramlett's Sons contemplate manufacture of (farm) plow stocks. (See Machinery Wanted—Plow Parts.)

S. C., Spartanburg—Ice Cream.—C. F. Walter and I. K. Watson of Jacksonville, Fla., will establish ice-cream factory; daily capacity 500 gals. ice cream; expect to increase output to 1000 gals. daily.

Tennessee — Dye Chemicals. — Tennessee Chemical Development Corp., capital \$5000, inceptd. by W. P. Powell, H. S. Perrigo and G. F. Jebett, all of Corporation Trust Co., 37 Wall St., New York; to manufacture dye chemicals.

Tenn., Athens—Bottling.—Tenn-Cola Bottling Co., capital \$25,000, inceptd. by W. R. Taylor, W. A. Lenoir, H. E. Martin and others.

Tex., Dallas — Paint. — Sherwin-Williams Paint Co. Cleveland, O., will build plant to cost \$30,000.

Tex., Dallas—Spring Beds.—Daltex Spring Bed Co., 2824 Medill St. (lately noted inceptd., capital \$20,000) organized; Lyle Marshall, Pres.; H. R. White, Secy.-Treas.; rented building; installed machinery for bed springs, cots, etc., at cost of \$3000 to \$10,000.

Tex., Galveston—Shipyards.—J. P. McDonough and others let contract John Jacobson of Texas City for grading, dredging and bulkheading work in connection with drydock and shipbuilding plant on Pelican Spit; total expenditure about \$500,000. (Lately noted to have let contract Crandall Engineering Co., East Boston, Mass., for 1500-ton railway drydock.)

Va., Norfolk.—F. Nelson Wilcox, Archt., Norfolk, has plans or 15x93-ft. manufacturing building on Scott St.; fireproof; cost \$15,000.

Va., Roanoke—Shaving Brushes.—Fountain Shaving Brush Co., capital \$50,000, inceptd. by F. Edgerton, Pres.; Kenly, Va.; T. H. Wirsing, Secy.-Treas., Roanoke, Va.

Va., Roanoke—Candy.—Peerless Candy Co., capital \$25,000, inceptd. by W. G. Jones, Pres.; Edward L. obinson, Secy.

W. Va., Cameron—Fenders.—American Automatic Save-a-Life Fender Co. will build plant.

W. Va., Fairmont—Drugs, etc.—Universal Products Co., capital \$1,000,000, inceptd. by H. D. Talbott, Aaron Winer, J. Jacobs and others, all of Clarksburg, W. Va.

W. Va., North View (not a postoffice)—Glass.—Rolland Glass Co., capital \$25,000, incorporated by Eugene A. J. and Mrs. Marie Rolland and A. W. and Mrs. Pearl Eschenfelder, all of Clarksburg, W. Va.; will purchase equipped plant.

MOTORS AND GARAGES

Ala., Gadsden—Garage.—H. D. Sturkie will erect building to be occupied by Etowah Ford Auto Co., agency for Ford automobile in Etowah, Marshall and Cherokee counties; building to be brick; 1 or 2 stories; concrete floors; cost \$3000 to \$3500.

Fla., Orlando—Garage.—S. G. Dolive let contract Hanna Bros. to erect lately-noted 2-story brick garage; 50x100 ft.; cost \$4000; metal roof; cement floor; electric lighting; materials supplied.

Ky., Lexington—Automobiles.—Lexington Cadillac Co., capital \$12,000, inceptd. by E. B. Ellis, W. F. McDaniel and C. S. Brown.

Miss., Biloxi—Automobiles.—Chinn Auto Co., capital \$5000, inceptd. by Mrs. J. B. Chinn, Mary F. Chinn and Thos. Gill Chinn.

Mo., Kansas City—Automobiles.—Velle Motor Co., capital \$25,000, inceptd. by H. C. Rings, H. H. Hutchinson and E. D. Davenport.

Tenn., Adams—Garage.—R. E. Qualls will erect garage and storehouse; 40x90 ft.; brick.

Tex., Temple—Automobile Assembling Plant.—C. B. Wade, L. S. Williamson and others are interested in organization of com-

pany to build automobile assembling plant with daily capacity of 3 cars.

Va., Ashland—Garage.—Hanover Garage & Repair Co., capital \$10,000, inceptd.; Boxley Vaughan, Pres.; F. W. Tucker, Jr., Secy.-Treas.

Va., Galax—Automobiles.—Twin County Motor Co., capital \$10,000, inceptd.; T. L. Feltz, Pres.; Ethelfelts, Va.; E. L. Whitley, Secy., Galax.

Va., Norfolk—Garage and Machine Shop.—Gyro Metal Works (W. R. Boutwell and others) let contract Murray & Co. to build garage and machine shop; fireproof; frontage 150 ft.; cost \$14,000.

W. Va., Piedmont—Garage.—John Daddysman will build garage; let contract Harrison Bros. Contracting Co.

RAILWAY SHOPS, TERMINALS, ROUNDHOUSES, ETC.

La., Algiers, Station A, New Orleans.—Morgan's Louisiana & Texas R. R. & Steamship Co., Metropolitan Bank Bldg., New Orleans, invites bids until Aug. 23 to construct concrete and brick work and erect structural steel work necessary in construction of machine and erecting shop; plans, specifications, etc., furnished for \$50. (Noted in April.)

ROAD AND STREET WORK

Ala., Birmingham.—City will construct paving on Clairmont and 10th Aves. and 42d, 39th, 40th and 41st Sts.; cost about \$50,000; bids to be advertised; Julian Kendrick, City Engr.

Ala., Linden.—Marengo county, A. L. Hasty, official in charge, let contract Nixon & Smith, Antaugaville, Ala., to construct 40 mi. (southern division) sand and clay gravel roads, for which bids were lately noted received until Aug. 9; contract for about same amount work in northern division of county will be let Sept. 7; F. W. Gaines, Jr., Engr., Selma, Ala.; \$120,000 available for county road construction. (See Machinery Wanted—Road Construction.)

Ala., Russellville.—Franklin county voted \$145,000 bonds to construct roads. Address County Commrs.

Ark., Paragould.—City plans organization of paving district to lay about 10,000 sq. yds. paving. Address The Mayor.

Ark., Pine Bluff.—Jefferson County Commissioners will organize Road Improvement Dist. No. 10 to construct macadam road from Pine Bluff to free bridge. 4½ mi.; cost \$25,000; also considering construction of road from free bridge north to Lonoke county line, 20 mi.

Fla., Bradentown.—City defeated bonds, including \$4000 for paving Ware Creek causeway. (See Water-works.)

Fla., DeLand.—Volusia county, New Smyrna Dist., plans to vote on \$250,000 bonds to construct roads; another district contemplates voting on \$100,000 road bonds. Address County Commrs.

Fla., Indian Rocks.—Indian Rocks Realty Co. (S. R. Morey and T. E. Lucas) let contract Tampa Sand & Shell Co., Tampa, to lay 1½ mi. of paving.

Fla., Leesburg.—City let contract Edwards Construction Co., Tampa, at \$1050 to pave 10,000 sq. ft. sidewalks.

Fla., Pensacola.—City will pave 3 blocks surrounding Pensacola Hospital Bldg. with creosoted wood block. Address The Mayor.

Fla., Pinellas Park.—City rejected all bids to curb and pave various streets with brick; R. J. Dellas, Town Clerk. (Call for bids lately noted.)

Fla., Tallahassee.—Leon county will vote on \$200,000 bonds to construct roads. Address County Commrs.

Fla., Tampa.—City will grade and pave Park Ave. from Florida to Massachusetts Ave. with sheet asphalt; 4400 sq. yds.; Commrs. of Public Works, D. B. McKay, Chrmn., receives bids until Aug. 24; Allen Thomas, Clerk. (See Machinery Wanted—Paving.)

Ga., Savannah.—Chatham county votes Sept. 21 on \$375,000 bonds to construct road to Tybee, including grading, surfacing, paving, bridges, culverts, causeways, etc.; Oliver T. Bacon, Chrmn. County Commrs. (Lately noted.)

Ky., Bardwell.—Carlisle County Fiscal Court approved plans and specifications by Ed Walker, Engr., for improvement of inter-county-seat road to Milburn; surveys made for 6 mi.

Ky., Louisville.—City let contract American Standard Asphalt Co. at \$28,500 to improve 34th St. from Rowan to Walnut St., 6 blocks, with asphalt. (Lately noted.)

Ky., Louisville.—Louisville Automobile Speedway organized by Geo. L. Martin, Arthur E. Mueller, Louis Seelbach and others; plans to construct automobile speedway with 2-mi. course, estimated to cost \$250,000; erect 1 or more grandstands; provide seating arrangements for 10,000; Stonestreet & Ford, Engrs., Louisville Trust Bldg., are preparing plans.

Ky., Louisville.—City will construct vitrified brick paving to cost about \$21,000 on sections of 32d and Dupuy Sts. with vitrified block; Board of Public Works receives bids until Aug. 26. (See Machinery Wanted—Paving.)

Ky., Madisonville.—Hopkins County Court appropriated \$50,000 to be expended provided route of Dixie Bee Line is selected through Hopkins county.

Ky., Madisonville.—Hopkins County Fiscal Court, Will T. Mills, Judge, will construct 1 mi. rock or macadam road; let contract Aug. 21. (See Machinery Wanted—Road Construction.)

Ky., Pineville.—Bell county will improve road between Wallend and Four Mile; County Commrs. receive bids until Aug. 21; W. C. Bingham, County Clerk. (See Machinery Wanted—Road Construction.)

Ky., Russell.—City let contract Simpson Bros. & Scott of Ashland, Ky., to pave High, Grave and section of Etna Sts.

Ky., Whitesburg.—Letcher County Fiscal Court plans to expend \$25,000 to \$30,000 for road construction.

Ky., Williamsburg.—Whitley County Commrs. let contract M. A. Wheeler of High Cliff, Tenn., at about \$42,000 to construct 18 mi. of road between Williamsburg and Corbin, and to Alfred N. Sherman of Athens, Tenn., for drainage, using drain tile.

Ky., Winchester.—City let contract Barber Asphalt Paving Co. (main office, Philadelphia, Pa.) to lay 13,000 sq. yds. asphalt paving.

La., Many.—Sabine parish, Road Dist. No. 3, votes Aug. 17 on \$35,000 bonds to construct roads. Address Sabine Parish Police Jury.

La., Oberlin.—Allen Parish, Ward 4, voted \$150,000 bonds for roads; construction to begin within 90 days. Address S. M. Lees, Police Juror, Ward 4, Oakdale.

La., Oberlin.—City, W. D. Stackwell, Mayor, will construct 4 mi. sidewalk; contract let Aug. 16.

Md., Baltimore.—Board of Awards let contract Consolidated Engineering Co., 243 Calvert Bldg., Baltimore, at \$14,280 to construct 17,000 sq. yds. concrete road around filtration plant, Lake Montebello. (Call for bids lately noted.)

Md., Baltimore.—Board of Estimates let contract Rochester Home Building Co. to grade, curb, pave and park Alameda from Harford Rd. to Garrett property to cost \$22,900; company to pay half of cost.

Md., Havre de Grace.—City let contract Asphalt Block & Tile Co., Monroe and Lorman Sts., Baltimore, at \$4895 to pave streets.

Mo., Hillsboro.—Jefferson County Commrs. let contract De Soto Construction Co. of De Soto at \$10,240 to reconstruct and improve parts of Bonne Terre-De Soto Rd.

Mo., Kansas City.—City let contract A. Jakels Paving Co., 510 American Bank Bldg., at \$6258 to pave 7450 sq. yds. of Cleveland Ave. from 31st to 35th St. with concrete.

Mo., Liberty.—Clay county will vote on \$150,000 bonds to construct rock roads within radius of 10 mi. of Excelsior Springs.

Mo., Maryville.—Nodaway county votes Aug. 23 on \$35,000 bonds, part of proceeds to be used to construct roads. Address County Commrs.

Mo., St. Joseph.—City let contract Metropolitan Paving Co. at \$67,510 to pave Noyes Blvd. with refined asphalt.

N. C., Dobson.—Surry county, Marsh township, votes Sept. 15 on \$25,000 bonds to construct roads; J. B. Sparger, Chrmn. County Commrs.

N. C., Dobson.—Surry county, Shoals township, voted \$30,000 bonds to construct roads; J. B. Sparger, Chrmn. County Commrs. (Lately noted.)

N. C., Dobson.—Surry county, Westfield township, voted \$30,000 bonds to construct roads; J. B. Sparger, Chrmn. County Commrs. (Lately noted.)

N. C., Dobson.—Surry county, Eldora township, withdrew election on lately-noted bonds for road construction; J. B. Sparger, Chrmn. County Commrs.

N. C., Franklin.—Macon county, Ellajay township, votes Sept. 11 on bonds to grade, macadamize and otherwise improve roads; Elmer Johnson, Clerk County Commrs.

N. C., Jackson.—Northampton county, Jackson township, will construct 8 or 10 mi. clay, gravel and sandstone roads; G. A. Moore, Secy. Road Commrs.

N. C., Lillington.—Harnett county voted \$25,000 bonds to construct roads. Address County Commrs. (Lately noted.)

N. C., Southern Pines.—City, A. M. Clarke, City Clerk, Box 411, let contract to Geo. R. Martin, Salisbury, N. C., to construct 250 sq. yds. sidewalks; crushed granite base, Portland cement top. (Bids lately noted.)

Okla., Enfield.—McIntosh county votes Aug. 20 on \$25,000 bonds to construct roads. Address County Commrs.

Okla., Sapulpa.—Creek county, Tiger township, voted \$75,000 bonds to construct roads. Address County Commrs.

S. C., Gaffney.—City, N. H. Littlejohn, Mayor, will expend \$10,000 on lately-noted street paving; date of opening bids not set; John Jenkins, Engr.

S. C., Sumter.—City votes Sept. 7 on \$25,000 bonds to improve streets. Address The Mayor.

Tenn., Rutledge.—Grainger county votes Sept. 9 on \$200,000 bonds to construct roads. Address County Commrs. (Lately noted.)

Tenn., Chattanooga.—City let contract Southern Paving & Construction Co. of Chattanooga at \$52,011 to pave Market St. from 9th to Main St., and at \$6822 to pave E. 9th St. from Market to A St. with wood blocks; city plans paving total of about 50 blocks, estimated to cost \$240,000; will issue \$80,000 of bonds; Robt. Hooke, City Engr., City Hall.

Tenn., Charlotte.—Dickson county voted on \$250,000 bonds for road construction. Address County Commrs.

Tenn., Dyersburg.—City let contract Memphis Asphalt & Paving Co., Memphis, to pave Depot, Market, Finley and Sampson Sts.; 25,000 sq. yds.; asphalt concrete; concrete curbs and gutters; L. E. Carne, Mayor. (Call for bids lately noted.)

Tenn., Lonsdale, Station No. 7, Knoxville. City is considering \$10,000 bond issue to improve streets; Dr. H. E. Christenberry, Mayor.

Tenn., Memphis.—City will pave N. Claybrook St. from Madison to Poplar Aves.; estimated cost \$13,229.83; J. H. Weatherford, City Engr.

Tenn., Tazewell.—Clatsborne county will macadamize Cumberland Gap-Tazewell Rd. (12 n.l.) and Powell's Valley Rd. (18 ml.); also grade 28 mi. road; bids until Sept. 2; J. H. S. Morison, Chrmn. County Commrs. (See Machinery Wanted—Road Construction.)

Tex., Corsicana.—City will pave sections of N. Beaton and S. 15th Sts., E. 5th and W. 7th of Confederate Aves.; bitulithic brick, asphalt macadam, asphalt concrete, rock asphalt, etc.; J. A. Harper, City Secy., receives bids until Aug. 27. (See Machinery Wanted—Paving.)

Tex., Dallas.—City let contract Standard Engineering & Construction Co. at \$5726.73 to pave Texas St. from Swiss to Live Oak St.

Tex., Dallas.—City Commrs. let following contracts, aggregating \$46,000, for street paving: Standard Engineering & Construction Co. at \$35,000 to pave Davis St. from Haines to Bishop, Haines from Davis to 6th, and Canty from Bishop to Woodlawn; Texas Bitulithic Co. at \$11,854 to pave Fitzhugh Ave. from Ross to Frederick.

Tex., Dallas.—City will pave Victor St. from Henderson to Lowell St.; section within city limits to cost \$15,505.65; also Pape St. from Beckley to Adams St. with vitrolithic, to cost \$1665; J. M. Preston, City Engr.

Tex., Liberty.—Liberty county, Cleveland precinct, votes Sept. 22 on \$200,000 bonds to construct roads, including link in Lufkin-Livingston-Houston highway. Address County Commrs.

Tex., Woodville.—Tyler county, Road Dist. No. 1, votes Aug. 23 on \$100,000 bonds to construct and improve roads. Address County Commrs.

Va., Isle of Wight.—Isle of Wight county will construct 14 mi. sand-clay road between Windsor and Franklin via Walters; bids received at County Clerk's office until Aug. 28; G. P. Coleman, State Highway Commrs., Richmond. (See Machinery Wanted—Road Construction.)

Va., Lexington.—Rockbridge county, A. T. Shields, County Clerk, contemplates construction about 4 or 5 mi. road; cost within \$5000 per mi.

Va., Monterey.—City will pave Main St.; macadamize about ¼ mi.; voted bonds; State Highway Surveyor is making survey. Address The Mayor.

Va., Richmond.—City invites bids until Aug. 19 for certain graveling and granite wall gutters; bids until Aug. 19; Chas. E. Bolling, City Engr. (See Machinery Wanted, Graveling, etc.)

Va., Richmond.—Administrative Board let contract Saville & Claiborne at \$55,000 to construct concrete retaining wall and covered flume over the dock from 14th to 17th St. to provide for widening of Dock St. from present width of 39 ft. to uniform width of 60 ft.; flume created by walling in of stream will be covered with reinforced concrete and paved; contract also includes construction of 2 concrete bridges across dock at 15th and 17th St.; Chas. E. Bolling, City Engr.

Va., South Boston.—City voted \$25,000 bonds to improve streets; W. L. Penick, Mayor. (See Water-Works.)

W. Va., Huntington.—Cabell County Commissioners let contract Brubaker Construction Co. at about \$144,000 to construct 9 mi. of road and to Geo. Henkle at about \$80,000 to build 5 mi.; Oliver & Maupin Engineering Co., Engr., Huntington. (Call for bids later noted.)

SEWER CONSTRUCTION

Ark., Fordyce.—City let contract Wm. S. McDowell to construct sewer system; issued \$30,000 bonds.

Ark., Little Rock.—City plans to construct main sewer interceptor from 19th St. viaduct to Fourche Bayou; day labor; estimated cost \$5000. Address City Engr.

Fla., Atlantic Beach.—Atlantic Beach Corp. will construct sanitary sewer system under supervision and direction of Isham Randolph & Co., Chicago and Jacksonville, Geo. B. Hills, Engr.-Mfr., 1310 Heard National Bank Bldg., Jacksonville; construction includes 6 mi. wet sewer trench work, 2 pneumatic sewage-lifting stations and Imhoff tank.

Fla., Leesburg.—City votes Sept. 11 on \$35,000 bonds to construct sewers; J. B. McCrary Co. of Atlanta, Ga., made surveys and submitted estimates. L. M. Johnson, City Clerk.

Ky., Bardwell.—City contemplates construction of sewer system. Address The Mayor.

Ky., Lexington.—City has received report from Solomon-Norcross Co. of Atlanta, Ga., estimating cost of constructing sewer system and sewage-disposal plant at \$350,000 and recommending bond issue for that amount to be submitted to vote in Nov.; estimates include \$260,000 to build sewage-disposal plant and complete sewers necessary to carry waste to plant, \$50,000 to dispose of storm water from streets and \$40,000 to purchase site for plant and rights of way. J. Ernest Cassidy, Mayor. (Lately noted.)

Ky., Paducah.—Winston Bros. of Minneapolis, Minn., are lowest bidders at \$45,834 to construct outfall sewer, Dist. No. 3, Contract No. 1; about 1650 ft. 10x12-ft. horseshoe conduit; L. A. Washington, Commr. of Public Works. (Call for bids later noted.)

Mo., Plattsburg.—City is having plans prepared by E. B. Murray, Consult Engr., 929 Walnut St., Kansas City, for sewer system, to include 5160 ft. 12-in., 12,700 ft. 10-in., 14,100 ft. 8-in. mains and disposal works; estimated cost, \$21,000.

Mo., Springfield.—City defeated \$50,000 sewer bonds. (Lately noted.)

Mo., Springfield.—City let contract Plummer-Adams Co. at \$9153 to construct sewer in Dist. No. 22; include 967 ft. 10-in. pipe, 11 lampholes, 5 flush tanks, 29 manholes and 11,333 cu. yds. excavation.

N. C., Albemarle.—City will expend \$25,000 to construct sewer system in business section; about 4 mi. sewers, with 20-in. outfall; John D. Spinks, Engr.

Okla., Bartlesville.—City, C. A. Lamm, Mayor, let contract to W. F. Powers, Guthrie, Okla., to construct lately-noted storm sewers; vitrified sewer pipe 15 in. to 57 in. diam.; cost \$30,000; E. D. Kirkpatrick, City Engr.

Tenn., Henderson.—City voted bonds to construct sewer system, water-works and electric-light plant. J. I. Galbraith, Mayor. (This supersedes recent item.)

Tenn., North Chattanooga.—City is having surveys made by Cushman & Farleigh, Engrs., preparatory to constructing sewer system; issue \$50,000 bonds; J. Reid Voigt, Mayor. (Lately noted.)

Tex., Dallas.—City will extend storm sewer from Grand Ave. to and across Grand Ave.; cost \$2400; J. M. Preston, City Engr.

Va., Altavista.—City is considering sewer and water system; cost \$35,000; bonds pro-

posed; Anderson & Christie, 707 Commercial Bldg., Charlotte, N. C., are preparing plans and estimating value of present privately-owned system. Address The Mayor.

Va., Crewe.—City, J. K. Ord, Mayor, has plans by Anderson & Christie, 707 Commercial Bldg., Charlotte, N. C., for sewer and water system; cost \$80,000; will vote bonds; 5½ mi. sewers. (See Water-Works.)

Va., South Boston.—City voted \$100,000 bonds for sewers and water-works; W. L. Penick, Mayor. (See Water-Works.)

W. Va., Fairmont.—City contemplates constructing sewer system and water-works; Ira L. Smith, Commr. of Water-works and Sewerage.

TELEPHONE SYSTEMS

Okla., Collinsville.—Eureka Rural Telephone Co. Incptd. by George Esau, W. H. Just and H. L. Loowen.

Va., Oak Ridge.—Oak Ridge Telephone Co., capital \$5000, Incptd.; C. H. Yates, Prest.; R. B. Carruthers, Secy.-Treas.

TEXTILE MILLS

Ala., Florence.—Cotton Products.—Ashcraft Cotton Mills will add new machinery costing \$35,000; has let contracts.

Ga., Thomaston.—Cotton Sheet.—Thomaston Cotton Mills arranged for 25,000-spindle addition to 10-quarter sheeting mill; purchased 500 looms, to be driven by individual electric motors. (Plans for additional mill and other improvements were described in April.)

Ky., Louisville.—Hosiery.—Neville S. Bullitt, Keller Bldg., has indefinitely postponed organization of hosiery mill company. (Lately noted under consideration.)

Ky., Maysville.—Cotton Cloth.—Maysville Cotton Mills let contract Harding & Simmonds, Maysville, to erect cotton-mill building; 3 stories; 70x116 ft.; brick; slow-burning standard mill construction; J. E. Sirrie, Archt.-Engr., Greenville, S. C. (Lately noted.)

N. C., Charlotte.—Hosiery.—Defiance Sock Co. let contract R. L. Goode, 30 W. 5th St., Charlotte, to erect 2 buildings; each 2 stories; 42x82 ft.; mill construction; cost \$6000; machinery supplied, cost \$14,000; electric power; steam boiler for finishing.

N. C., Gastonia.—Cotton Goods.—Arlington Mills will build 200x60-ft. 2-story addition; brick; mill construction; cost \$20,000; let contract to J. A. Jones, Charlotte, N. C.; will install textile equipment.

N. C., Granite Falls.—Cotton Yarn.—Falls Mfg. Co. will be organized by D. H. Warlick, G. H. Geltner and others; to build 5000-spindle cotton yarn mill; cost \$100,000.

N. C., Haw River.—Hosiery.—W. H. Childrey will establish hosiery knitting mill; electric power; has purchased equipment.

WATER-POWER DEVELOPMENTS

W. Va., Martinsburg.—Martinsburg Power Co. will reorganize; change name to Potomac Light & Power Co., with authorized capital \$1,000,000; expend \$100,000 to enlarge and improve dams 4 and 5 plants.

WATER-WORKS

Ala., Phenix City.—Water Commrs., Moss Harrison, Chrmn., invite bids until Aug. 25 to construct standpipe on pier 80 ft. high; capacity 180,000 gals.; also contemplate other improvements to water-works, to include pipe line from old to new standpipe, 1800 ft., and dam to impound water.

Ark., Arkadelphia.—Arkansas Light & Power Co. has purchased filter, 600,000 gals. capacity, for lately-noted installation; purchased from International Filter Co., New York.

Ark., Argenta.—City plans to acquire Arkansas Water Co.'s plant and to enlarge and extend mains; proposes to issue \$500,000 bonds; Jas. P. Faucette, Mayor.

Ark., Paragould.—Comms. Water Improvement Dist. No. 1 let contract H. C. Reader to extend water system; 3500 ft. 4-in. mains; 4 fire plugs; cost \$2100.

Fla., Bradentown.—City defeated \$10,000 bonds for new well at water-works and extending water mains; \$4000 bonds for paving Ware Creek causeway; \$21,000 bonds for funding and including unfinished contracts on Ware Creek bridge and retaining walls. (Lately noted.)

Fla., Howey (not a P. O.).—W. J. Howey Land Co., 500 Fort Dearborn Bank Bldg., 76 W. Monroe St., Chicago, Ill., contemplates installation of water-works. (See Land Developments.)

Mo., Keedysville.—Boonsboro Water Co.,

Boonsboro, Md., will extend water mains to town limits of Keedysville.

Mo., North East.—Maryland Water Co. has authority to issue \$40,000 bonds to extend water-works.

Mo., Macon.—City voted \$30,000 bonds to extend water system and install filtration plant; Harper & Stiles, Engrs., Grand Ave. Temple, Kansas City, Mo.

Mo., Plattsburg.—City is having plans prepared by E. B. Murray, 929 Walnut St., Kansas City, Mo., for water-works, to include 3050 ft. 8-in., 4100 ft. 6-in. and 19,050 ft. 4-in. pipe, impounding reservoir, pumping station, filter plant, etc.; estimated cost, \$28,000.

Mo., St. Louis.—Hiram Lloyd Building & Construction Co. is lowest bidder at \$280,187.70 to construct Compton Hill reservoir; capacity 85,000,000 gals.; concrete reinforced construction; plans by Roth & Steady, St. Louis. (Call for bids later noted.)

N. C., Southport.—City's water-works contracts (previously noted let) included well-drilling to Hughes Specialty Well Drilling Co., 96 Ashley Ave., Charleston, S. C.; this company has completed No. 1, 111-ft. well; static head of water 10 ft. from surface; maximum capacity 250 gals. per min.; double cased, 10-in. and 8-in. pipe; has contract for well No. 2, duplicate specifications.

Okla., Kusa, P. O. at Henryetta.—Kusa Townsite & Improvement Co. is reported interested in plan to build water-works.

S. C., Charleston.—City will vote on \$1,500,000 bonds to purchase plant of Charleston Light & Water Co. and \$100,000 for repairs and extensions; J. H. Dingle, City Engr.

Tenn., Henderson.—City voted bonds to construct water-works, sewer system and electric-light plant; J. I. Galbraith, Mayor. (This supersedes recent item.)

Tex., El Campo.—Central Service Co., T. J. Hardy, Prest., and W. A. Heddleson, Secy.-Mfr., will install water-works equipment, including about 14,000 ft. 4 and 6-in. main.

Tex., Mart.—City voted \$21,000 bonds to extend and improve water-works. Address The Mayor.

Va., Altavista.—City contemplates water-works construction. Address The Mayor. (See Sewer Construction.)

Va., Crewe.—City, J. K. Ord, Mayor, has plans by Anderson & Christie, Commercial Bldg., Charlotte, N. C., for sewer and water system; cost \$80,000; plans ready; will vote on bonds; 6 mi. water-works; 5½ mi. sewer; E. C. Bradshaw, Chrmn. Public Works Comm.

Va., South Boston.—City voted \$100,000 bonds for water-works and sewers and \$25,000 for street improvements; proposed water-works capacity 1,000,000 to 2,000,000 gals.; brick and concrete building; concrete reservoir, capacity 1,000,000 gals.; plans by Anderson & Christie, Charlotte, N. C.; W. L. Penick, Mayor. (Lately noted.)

W. Va., Fairmont.—City contemplates constructing water-works and sewer system; include filtration plant; Ira L. Smith, Commr. of Water-works and Sewerage.

WOODWORKING PLANTS

Ala., Dadeville.—Wagon Hubs.—Henry O. Garrett is interested in proposed establishment of plant to manufacture white-oak wagon hubs. (See Machinery Wanted—Hub Machinery.)

Ala., Mobile.—Sashes and Doors.—Mobile Sash & Door Co., capital \$10,000, Incptd.; G. J. Bates, Prest.-Treas.; E. G. Hill, V.-P. and Mgr.; C. F. Bates, Secy.

Ark., Camden.—Major Stave Co., Ashdown, Ark., decided not to install lately-reported plant at Camden.

Ark., Corning.—Cooperage.—Geo. A. Booser will install additional knife to increase capacity of plant; also plans to build additional stave sheds.

N. C., Rocky Mount.—Baskets and Crates.—D. Dunlop Routh, Petersburg, Va., is reported as contemplating erection of crate and basket factory to cost \$50,000.

Tenn., Morristown.—Tables, etc.—Weller-Ford Table Co., capital \$10,000, Incptd. with J. N. Fisher, Prest.; W. A. Dougherty, V.-P.; H. S. Taylor, Secy.; H. M. Weller, Treas. and Mgr.; has building and will equip.

Va., Norfolk.—Building Material.—Consolidated Building Material Co., capital \$50,000, Incptd.; C. L. Clark, Prest.; W. L. Locke, Secy.-Treas.

Va., Port Norfolk.—Desks and Cabinets.—Business Equipment Corp., capital \$15,000, chartered; temporary office, 248 Tazewell St., Norfolk; acquired Old Dominion Paper Works at Port Norfolk; will manufacture office filing cabinets and desks; J. A. Levick,

Prest.; Eugene L. Graves, Secy.-Treas.; C. A. Criddle, Supt., all of Norfolk.

FIRE DAMAGE

Ala., Huntsville.—Ed Johnston's residence, several miles west of Huntsville; loss about \$7000.

Ark., Little Rock.—Fred Schaer's residence near Galloway Station; loss \$5000 to \$6000.

Ark., Lonoke.—R. L. Williams' rice plant; loss \$5000.

Ark., Lonoke.—Irrigation pumping plant, owned by Rector L. Williams of Little Rock; loss \$5000.

Ga., Columbus.—Ideal Theater, C. M. Thornton, Mgr.; loss \$3000; building owned by J. K. Orr, Atlanta.

Ga., Metter.—F. H. Sills' residence.

Ky., Oakdale.—Lemuel B. Jones' residence at 3847 S. 5th St.; Mrs. A. O'Neill's residence at 3849 S. 5th St.; W. E. Harvey's residence at 3845 S. 5th St.; loss \$6500.

Ky., Smiths Grove.—Jim Garmon's barn; loss \$3000.

La., Bogalusa.—Dorsey Bros.' store; loss \$12,000.

La., Bryceland.—Bryceland Lumber Co.'s drykiln.

La., Iowa.—Missouri Rice Irrigating Co.'s plant; loss \$25,000; H. G. Drew of Lake Charles is Prest.

Md., Baltimore.—W. H. Lambie's dwelling, 21 W. North Ave.; damage about \$3000.

Md., Baltimore.—Goldstrom Bros.' furniture factory at 315 St. Paul St.; buildings, stock and machinery damage reported as about \$50,000.

Miss., Howard.—Howard & Beall's store and seedhouse.

Miss., Pascagoula.—West Pascagoula Creosoting Co.'s plant; loss \$25,000.

Mo., St. Louis.—Savoy Hotel, 4 N. 13th St.; loss \$20,000.

N. C., Browns Summit.—Sam G. Lomax's lumber plant and planing mill; loss \$5000.

N. C., Concord.—H. L. Parks & Co.'s store; building owned by Robt. Philfer.

N. C., Kinston.—W. K. Hughes' residence, barn, stable and outbuildings; loss \$3000 to \$3500.

N. C., Oakboro.—Cox Bros.' store; loss several thousand dollars.

N. C., Oxford.—Nat Wheeler's residence, owned by Luther Davis.

N. C., Winston-Salem.—T. B. Crawford's dwelling on W. 4th St.; loss about \$5000.

Okla., Britton.—Allen Warden's residence.

Okla., Indianola.—Postoffice (address Postmaster) and other buildings; loss \$6000.

S. C., Rock Hill.—R. T. Wright's residence at 109 Clay St.

S. C., Sumter.—Dormitory and administration building of Morris College, J. J. Stark, Prest.; loss \$4000.

Tenn., Cleveland.—T. F. Elrod's grocery store and office building of J. D. Morelock, both buildings owned by Mr. Morelock.

Tenn., Murfreesboro.—Osborne Bros.' store building and vacant building being remodeled by Dave Cohen & Co.

Tenn., Manchester.—J. C. Green's residence; loss \$3000.

Tenn., Ridge Top.—J. W. Phillips' store; loss on building and stock \$6000.

Tex., Chapel Hill.—Thirteen buildings, occupied by Joe Carlisle, J. P. Slawinski, Morris Lesser, John Zawacki, Max Pawbolak and Wallace Kaminski, and owned by Mrs. Natalie Taylor Carlisle of Houston, Tex., and others.

Tex., Columbia.—Mrs. M. V. Harrison's residence, occupied by J. C. Burt; loss \$7000.

Tex., Holland.—Buildings of W. S. and V. E. H. Reed; "Racket Store," owned by J. A. Clark; barn-garage of Dr. Sybert; total loss \$18,000.

Tex., Kirvin.—Brick store building occupied by J. T. King; loss \$4000.

Tex., Marlin.—G. W. Beatty's dwelling, owned by Allison-Richey Land Co., Houston; loss \$3500.

Tex., Vernon.—A. P. Parker's residence; loss \$6000.

Va., Charlottesville.—Dwelling of Ollie A. Woodson, baggage-master of Chesapeake & Ohio Ry.; loss \$4000.

Va., Chuckatuck.—Benj. Eley's residence.

Va., Clifax, R. D. from Goode.—Henry Thompson's grist mill.

Va., Disputanta.—Unoccupied dwellings owned by Mrs. J. D. Grammar; A. T. Tucker's store and dwelling.

Va., Norfolk.—Guy Webb's dwelling at 304 35th St.; loss about \$3500.
Va., Richmond.—D. O'Sullivan's barrel factory; loss \$1500 to \$2000.

W. Va., Montgomery.—Knights of Pythias building, loss \$7000; Hooper & Edwards' undertaking establishment, loss \$2000; Miss K. Barringer's dwelling, loss \$3000.

BUILDING NEWS

BUILDINGS PROPOSED

APARTMENT-HOUSES

Fla., Miami.—T. N. Gantler plans to erect apartment-house next spring. (See Hotels.)

Ga., Atlanta.—Marlborough Apartments will erect porches at 426 Peachtree St.; cost \$4000.

Ky., Paducah.—M. Marks, Paducah, and J. S. Michaelson, Cairo, Ill., are having plans prepared for apartment-house; 18 suites; completion by Meh. 1.

Mo., Kansas City.—C. W. Redpath will erect 6-apartment brick flat at 2300 Flora Ave.; cost \$6000.

Mo., Kansas City.—Chas. E. Phillips purchased building at 3810 Walnut St.; will remodel into duplex apartment-house and erect two 6-apartment buildings adjoining; cost about \$40,000.

Mo., Kansas City.—Pierre S. Brown, 2001 Linwood Blvd., purchased site at Armour Blvd. and Paseo for apartment-house; site 105x123.6 ft.; cost of building about \$50,000.

Mo., St. Louis.—Geo. Knapp will erect 2-story tenement at 4325 N. 20th St.; cost \$2000; construction by owner.

Mo., St. Louis.—M. Shoelub will erect 2-story tenement at 4318 Lee St.; cost \$4500; construction by owner.

Mo., St. Louis.—Theodore Degenhardt Building Co. will erect 2-story tenement at 3559-41 Michigan Ave. to cost \$4800 and 2-story tenement at 3135 Keokuk Ave. to cost \$3000; construction by owner.

S. C., Greenville.—M. M. Rozler, Fort Pierce, Fla., acquired apartment-house on N. Main St. and will extensively improve.

Tenn., Nashville.—J. B. Wright will erect 2-story brick apartment-house at 16th Ave. south and Edgemoor St.; cost \$4500.

Tex., Dallas.—S. Kirkland will erect apartment-house at 2322 Forest Ave.; 20 rooms; cost \$12,000.

ASSOCIATION AND FRATERNAL

Ga., Eatonton.—Masonic lodge is reported to erect additional story to building; brick.

Tenn., Nashville.—Colored A. F. and A. M. State of Tennessee is having plans prepared by O. W. Williams, Folk and Orleans Sts., Memphis, for building for girls' dormitory and industrial training school, 3 mi. from city, on Lebanon pike; 104x38 ft.; wing 22x36 ft.; cement, brick, stone and wood construction; composition roof; cement and wood floor; hot-water heat; electric light; cost about \$16,000; bids opened Sept. 1. Address Archt. (See Machinery Wanted—Brick; Cement, etc.)

Tex., Beeville.—A. F. and A. M. will erect 20-ft. extension to building at Washington and Hefferman Sts.; also construct roof, remodel front, install concrete floor in first story, etc.; cost \$5000; Stephenson & Heldenfels, Architects, Beeville.

Tex., Oakville.—Woodmen of the World will erect 2-story building; frame.

W. Va., Montgomery.—Knights of Pythias will erect brick building to replace structure noted burned at loss of \$7000.

BANK AND OFFICE

Ala., Selma.—Geo. W. Carter is reported contemplating erecting office building; 3 stories; lower floor for stores.

Fla., Clearwater.—F. E. Lunsperer will erect building for stores and offices or stores and hotel. (See Stores.)

Fla., Howey (not a P. O.).—W. J. Howey Land Co., 500 Fort Dearborn Bank Bldg., 76 W. Monroe St., Chicago, Ill., contemplates erection of \$10,000 bank building in new town development, Lake county. (See Land Developments.)

Fla., Tampa.—Exchange National Bank will remodel building; enlarge main floor; increase vault capacity; make new entrance, etc. (Noted in June to erect building.)

Mo., Kansas City.—Pratt Thompson Investment Co. will erect additional story to 7-story Graphic Arts Bldg.; brick and concrete; cost \$5000.

Mo., Kansas City.—Richard W. Smith is

reported to erect store and office building. (See Stores.)

Mo., St. Joseph.—Walter Boschen, Tootle Bldg., St. Joseph, is reported preparing plans for 3-story office building at 7th and Francis Sts. for physicians and surgeons; cost about \$50,000.

N. C., Charlotte.—Southern Power Co. is having plans prepared by Wm. Peeps, 222 Latta Arcade Bldg., Charlotte, to alter office rooms; 100x250 ft. for office space; will purchase and install 5 vaults; fireproof doors; cost \$10,000; plans ready Sept. 1.

Okla., Kusa, P. O. at Henryetta.—Kusa Townsite & Improvement Co. is erecting office building; 2 stories; pressed brick and stone; cost about \$25,000.

S. C., Saluda.—Bank of Saluda, B. W. Crouch, Pres., is having plans prepared by Talley & Summer, Greenwood, S. C., for bank building; 2 stories; 23x100 ft.; brick construction with press brick front; tin roof; cement and tile floor first story; wood above; stoves; electric lighting; metal ceiling for lower floor, wood ceiling above; will soon let contract. Address Mr. Crouch. (Lately noted.)

Tenn., Nashville.—Empress Amusement Co. will erect theater, store and office building. (See Theaters.)

Tex., Marlin.—Marlin National Bank will erect building.

CHURCHES

Ala., Mobile.—Government Street Methodist Church, Government and Broad Sts., Rev. E. A. Dannelly, pastor, will complete building at cost of \$35,000; Geo. B. Rogers, Archt., Mobile; A. C. Danner, Chrmn. Building Com.

Fla., Tampa.—First Baptist Church has plans by A. L. Shaw, Tampa, for bungalow to accommodate 18 Sunday-school classes; 36x100 ft.; fireproof roof; C. C. Burns, W. W. Trice and Frank Bentley, committee, instructed Archt. to call for bids; committee is also considering \$15,000 brick building in place of bungalow.

Ga., Atlanta.—Church of the Epiphany will erect building for Sunday-school rooms and hall for choir. Address The Pastor.

Ga., Atlanta.—First Presbyterian Church will erect manse; 2 stories; 12 rooms; brick veneer; cost \$10,000.

Mo., Kansas City.—Phoenix Park M. E. Church will erect building at 2601 Spruce Ave.; 116x52 ft.; brick and stone construction; cost \$15,000. Address The Pastor.

Tenn., Summitville.—Church of Christ is reported to erect building. Address The Pastor.

Tenn., Summitville.—Baptist church is reported to erect building. Address The Pastor.

Tenn., Summitville.—Methodist church is reported to remodel building. Address The Pastor.

Tex., Winters.—First Baptist Church has plans by M. L. Waller & Co., Abilene, Tex., for building; 2 stories; brick and frame; bids received by architects until Aug. 18; contracts for plumbing, heating and electrical work let separately. (Noted in July.)

CITY AND COUNTY

Fla., Pensacola.—Fire Station.—Board of Commrs. rejected bids to erect fire station and city stable; bids received until Aug. 16 to erect fire station only; C. Alfred, Archt., Pensacola. (Lately noted.)

Ga., Savannah.—Auditorium.—Mayor Davant selected Aldermen Pierpont, Williamson and Foy to serve with himself as auditorium committee; will organize and invite Savannah architects to submit plans for auditorium to cost about \$200,000. (Lately noted.)

Ga., Savannah.—Farm, Reformatory, etc.—Chatham county votes Sept. 21 on \$25,000 bonds to erect and equip permanent buildings for convicts at County Farm and \$50,000 bonds to erect and equip reformatory building; Oliver T. Bacon, Albert Wylly, Arthur W. Solomon and Harvey Granger, Commrs. (Noted in July.)

Md., Baltimore.—Library.—City has plans by Otto G. Simonson, Maryland Casualty Tower Bldg., Baltimore, for branch Pratt Free Library at Wolfe and 20th Sts.; 1 story and basement; 82x56 ft.; brick; slate roof; steam heat; cost about \$20,000. (Previously noted.)

Mo., Jefferson City.—Jail and Hospital.—Cole county votes Oct. 19 on \$25,000 bonds to erect jail and \$25,000 bonds to erect tuberculosis hospital building. Address County Commrs. (Noted in July.)

Okla., Norman.—City Hall.—City, J. Martha Wise, City Clerk, receives bids until Aug. 24 to erect city hall; plans and specifications at office of City Clerk and Hawk & Parr, Architects, Oklahoma City.

S. C., Arden, P. O. Columbia.—Town Hall.—Town, Peter O. Hulth, Mayor, is erecting town hall.

Tex., Beaumont.—Jail.—Jefferson county votes Sept. 17 on \$35,000 bonds to erect annex to jail building for insane patients. (See Hospitals.)

Tex., Dallas.—Farm.—Chas. E. Gross, County Auditor, receives bids until Sept. 6 to erect 2-story brick building at County Farm; plans and specifications at office of Woerner & Cole, Architects, 513 Sumpter Bldg., Dallas. (Lately noted.)

Tex., Temple.—Fire Stations.—City will erect 2 auxiliary fire stations. Address The Mayor.

Va., Richmond.—Engine-house.—Board of Fire Commrs., 402 City Hall, receives bids until Aug. 27 to erect engine-house at 30th and Bainbridge Sts.; cost about \$7500; plans and specifications may be had from Carneal & Johnston, Architects, 707 Chamber of Commerce Bldg., Richmond. (Noted in June.)

COURTHOUSES

Ga., Savannah.—Chatham county votes Sept. 21 on \$50,000 bonds to erect and equip addition to courthouse; Oliver T. Bacon and others, Commrs. (Noted in July.)

S. C., Rock Hill.—City will remodel city hall for United States courtroom; cost \$8000; plans by J. S. Starr, Rock Hill; contract let Aug. 18.

Tex., Cold Springs.—San Jacinto county will erect courthouse. Address County Commrs.

Tex., Johnson City.—Blanco County Commissioners are having plans prepared by Henry T. Phelps, San Antonio, to erect courthouse. (County noted in June voting \$30,000 bonds.)

Tex., Lubbock.—Lubbock county votes Sept. 18 on \$100,000 bonds to erect courthouse. Address County Commrs.

DWELLINGS

Ala., Alabama City.—Dwight Mfg. Co. will not erect dwellings for employees as recently reported.

Ala., Attalla.—Henry P. Smith, Keener, Ala., will erect residence between Attalla and Alabama City.

D. C., Washington.—Chas. W. King, Jr., 920 New York Ave., has plans by N. R. Grimm, Bond Bldg., Washington, for 3 dwellings at 1555-9 Monroe St.; 2 stories; brick; cost \$10,000; construction by owner.

D. C., Washington.—C. E. Myers has plans by Thos. M. Medford, 1631 3d St. N. W., for 3 dwellings at 624-8 F St.; 2 stories; brick; cost \$5000; construction by owner.

Fla., Crystal River.—J. E. Stevens contemplates erecting residence.

Fla., Jacksonville.—J. W. Hill will erect 2-story frame residence on Post St.; cost \$3250.

Fla., Plant City.—Wm. S. Lincoln, Covert, Mich., will probably erect residence.

Fla., St. Augustine.—Ernest Preston will erect 1-story residence.

Fla., St. Petersburg.—Dr. H. A. Murphy, Central Ave., will erect bungalow on 6th St.

Fla., St. Petersburg.—A. B. Archibald will erect 8-room residence on 6th St.

Fla., St. Petersburg.—Judge Crockett Owen will erect 6-room bungalow in North Shore subdivision.

Fla., West Palm Beach.—Miss Agnes Ballard will erect 2-story addition to residence.

Ga., Atlanta.—R. C. Camp will erect dwelling at 218 Barnett St.; 1 story; 7 rooms; frame; cost \$2000.

Ga., Atlanta.—M. L. Rauschenberg will erect 1-story dwelling at 122 Langborne St.; 5 rooms; brick veneer; cost \$3500.

Ga., Griffin.—Captain Kincaid will erect 2 additional dwellings.

Ga., Savannah.—J. H. Harvey will erect 2-story dwelling on Selzer Ave.

Ga., Macon.—Max Morris will erect residence on Vineville Ave.; brick; garage in rear.

Ga., Savannah.—Standard Investment Co. will erect 2-story dwelling on Maupus Ave.

Ky., Louisville.—E. H. Watson will erect frame dwellings at 3629 and 3625 Bank St.; cost \$1500 each.

La., Alexandria.—King Rand is having plans prepared by Herman J. Duncan, Alexandria, for dwelling; 1 story; frame; asphalt shingle roof.

La., New Orleans.—H. P. Porter, 718 Bellocastle St., will erect dwelling on 8. Claiborne St.; 2 stories and basement; frame; slate roof; pine or oak floor; hot-air heat; gas; electric light; cement walk; cost \$3000; bids opened Aug. 29. Address owner. (Lately noted.)

Md., Baltimore.—Geo. Gunther is having plans prepared by Otto G. Simonson, Maryland Casualty Tower Bldg., Baltimore, for dwelling at Charles St. and Bellona Ave.

Md., Baltimore.—Howard Adams has plans by Mott & White, 334 N. Charles St., Baltimore, for dwelling at Guilford; bids due Aug. 19.

Md., Baltimore.—Frank O. Singer, Jr., 600 Equitable Bldg., Baltimore, has plans by W. B. Gerwig, same address, for 47 dwellings; 32 on 28th St., near Guilford Ave., 16x55 ft.; 6 at Brookfield and Lake View Aves., 16x55 ft.; 6 on Brooks lane, near Linden Ave., 2x42 ft.; 3 on Brookfield Ave., near Brooks lane, two 25x42 ft., one 16x55 ft.; all 2 stories; brick; tin roof; steam heat; cost \$75,000; construction by owner.

Md., Wardour Station (not a P. O.).—Carril H. Bryan has plans by Theo. W. Pietsch, 1210 American Bldg., Baltimore, for dwelling; 3 stories; 56x41 ft.; hollow tile; probably tile roof; steam heat; electric light; bids due about Sept. 1; bidders are Bean Bros.; P. E. Herbioux; Elmer E. Parkinson, 93 Prince George St.; Jas. J. Stehle, 170 West St.; all of Annapolis, Md.; R. H. Frazier & Son, 224 W. Mulberry St.; Burns & Russell, American Bldg., both of Baltimore; Arthur P. Heymond, Winchester, Va.

Miss., Carrollton.—L. C. Funderburk will erect farm residence.

Mo., Kansas City.—E. V. Mittong will erect three 1½-story frame and stucco dwellings at 3724-26-30 College St.; cost \$6000.

Mo., Kansas City.—E. W. Hayes will erect four 1½-story frame dwellings; cost \$7200.

Mo., Kansas City.—H. R. Ostrom will erect 2 two-story frame dwellings at 2445-50 College Ave.; cost \$4000.

Mo., Kansas City.—B. A. Bowmaster will erect two 1½-story frame dwellings at 4308-11 Wayne Ave.; cost \$4000.

Mo., St. Louis.—S. Barg will erect 2-story dwelling at 1368-70 McCausland St.; cost \$4000; construction by owner.

Mo., St. Louis.—E. T. Dralle will erect two 2-story dwellings at 3415-17 Williams Pl.; cost \$5000; construction by owner.

N. C., Charlotte.—H. J. Dunavant has plans by Hunter & Gordon, 701 Realty Bldg., Charlotte, for dwelling; 2 stories; 8 rooms; brick veneer; hardwood floor; hot-water heat; cost \$15,000; bids being taken; I. C. Abbott, Brandy, Va., will probably get contract.

N. C., Charlotte.—Henry M. McAden, Piedmont Bldg., will erect residence in Myers Park; about 70x125 ft.; 2 stories, basement and attic; stone, concrete or brick; tile roof; hollow tile floor construction; hot-water or hot-air heat; electric lighting; cost \$15,000; architect not selected; probably let contract next spring.

N. C., Charlotte.—E. D. Latta is having plans prepared by Wm. H. Peeps, 222 Latta Arcade Bldg., Charlotte, for residence; 2 stories; frame; 42x42 ft.; hardwood floors; furnace heat; cost \$5000; plans ready Aug. 20.

N. C., Charlotte.—W. W. Ward is reported to erect residence.

N. C., Charlotte.—J. P. Stowe will erect residence in Colonial Heights.

S. C., Chester.—Frank Whitlock is having plans prepared by J. S. Starr, Rock Hill, S. C., for dwelling; 2 stories; frame; bungalow type; cost \$3000; plans ready about Sept. 1.

N. C., Raleigh.—C. M. Miller, County Eng., plans to erect 8-room dwelling on Hillsboro St.; frame construction.

S. C., Winnsboro.—Miss Sallie Crawford is having plans prepared by J. S. Starr, Rock Hill, S. C., for dwelling; 1 story; brick; composition shingle roof; hot-water heat; cost \$3500; plans ready Aug. 20.

Tenn., Bristol.—C. K. Reynolds has plans by Clarence B. Kearfott, Bristol, to erect

residence; 56x36 ft.; brick veneer; hot-water heat; city lighting; metal shingle roof; hardwood floors; cost \$5000 to \$6000.

Tenn., Clarksville.—Hal Gauchat will erect residence on N. 2d St.

Tenn., Nashville.—Tom Spain will erect residence in Hillsboro section.

Tenn., Nashville.—Wade & Bradley will erect 5-room frame bungalow; cost \$3000.

Tenn., Nashville.—J. F. Craig will erect 1½-story brick bungalow at 1902 Elliott Ave.; cost \$3000.

Tenn., Nashville.—J. M. Austin has plans by Geo. D. Waller for frame bungalow on 16th St.; estimates received by owner.

Tenn., Nashville.—J. Y. Hutchinson will erect 2-story brick dwelling 2307 Highland Ave.; cost about \$3000.

Tex., El Paso.—H. L. Graham will erect dwelling at Manhattan Heights.

Tex., El Paso.—Phoenix-El Paso Bldg. Co. will erect bungalow at Sunset Heights; brick; 29x58x21 ft.; cost \$4300.

Tex., El Paso.—J. W. Hull will erect brick bungalow in East El Paso; 28x40x20 ft.; cost \$2900.

Tex., El Paso.—Newman & Hadfield will erect brick bungalow in Alexander addition; 28x40x20 ft.; cost \$5000.

Tex., El Paso.—Frank M. Lynch will erect dwelling at Manhattan Heights.

Tex., El Paso.—Harry Ponsford, Jr., will erect dwelling at Manhattan Heights.

Tex., El Paso.—H. B. Hadfield and Tom Newman are reported to erect number of dwellings in Bassett's addition.

Tex., Hillsboro.—Tom Dalton will erect bungalow; 5 rooms and bath.

Tex., Houston.—J. M. Beardon will erect 10-room residence and garage at San Jacinto and Palma Sts.; cost \$3750.

Tex., Houston.—E. F. Simms will erect bungalow in Simms addition; cost \$3500.

Tex., San Antonio.—Mrs. L. H. Browne will erect 7-room residence on Agarita St.; cost \$6900.

Tex., Waco.—Joe Sanger is having plans prepared by Roy E. Lane, Waco, for dwelling at 18th and Washington Sts.; 2 stories; cement; plans ready Aug. 20.

Va., Falls Church.—Edw. T. Fenwick opened bids to erect dwelling; W. H. Dawson, Herndon, Va., low at about \$3000; Spelden & Spelden, Architects, 1403 New York Ave., Washington, D. C. (Noted in July.)

Va., Malvern Hill.—Wm. L. Wood, Malvern Hill, Mgr. farm of M. William Hall estate of New York, is reported to rebuild burned colonial brick residence.

Va., Richmond.—W. A. Meredith will erect brick dwelling at Highland Park; cost \$5000.

Va., Richmond.—Mrs. Addie Sprengle will erect 4 one-story brick dwellings at 1629-35 Jacquelin St.; cost \$4000.

Va., Richmond.—Lewis C. Williams, trustee, will erect 3-story brick dwelling at 1627 Park Ave.; cost \$7200.

Va., Richmond.—Milton J. Strauss will erect 2-story dwelling at 27 W. Jackson St.; slag roof; grates; cost \$3470; plans and construction by Davis Bros. & Co., Inc. (Lately noted under Apartment-houses.)

Va., Salem.—Finance Comm. of Roanoke College opens bids to erect dwelling. (See Schools.)

Va., Norfolk.—C. W. Beard will erect frame residence on Maury Pl., near Colley Ave.; cost \$3200.

W. Va., Fairmont.—Consolidation Coal Co. is reported to let contract in few days to erect 100 dwellings for operatives in Helen's Run coal field.

GOVERNMENT AND STATE

D. C., Washington.—Laboratory.—Bureau of Standards, Dept. of Commerce and Labor, rejected bids to erect laboratory; Donn & Deming, Architects, 808 17th St. N. W., Washington, revising plans and will ask for rebids.

Md., Baltimore.—Immigration Station.—Treasury Dept., Jas. A. Wetmore, Acting Supervising Archt., Washington, D. C., receives bids until Aug. 31 (extended date) for construction (except mechanical equipment, elevator, lifts and dumbwaiter) of immigration station, including pipe tunnels, approaches and wharf; 1 four-story, 40x130 ft., for hospital; 1 three-story, 150x207 ft., for receiving and detention building, and 2 two-story buildings, 50x51 ft. and 40x100 ft., for laundry and administration buildings, respectively, of fireproof construction, with slate, tile and composition roofs; brick faced; stone base; stone and terra-cotta trimmings; approximately 43,000 sq. ft. total

ground area; wharf 25x260 ft.; wood construction. Bidders are: J. Henry Miller, Eutaw and Franklin Sts.; Irwin & Leighton, Keyser Bldg.; both of Baltimore; Norman Kerr Co., 1123 Broadway; Howard H. Peterson Co., 1328 Broadway; Carleton Co., 141 W. 42d St.; Thompson-Starrett Co., 49 Wall St.; Wm. Henderson, Inc.; Connors Bros. Co.; all of New York; P. F. Gormley Co., 617 Union Trust Bldg., Washington, D. C.; Wm. H. Maxwell, H. P. Converse & Co., Boston, Mass.; J. S. Rogers Co., Morristown, N. J.; Wm. H. Jones Contracting Co., Wilmington, Del.; M. Yeager & Son, Danville, Va. (Lately noted.)

Tex., Corsicana.—Orphans' Home.—Supt. of State Orphans' Home receives bids until Aug. 24 to erect dining hall and dormitory, hospital and pavilion, including plumbing, heating, wiring and refrigerator and ice-making plant; cost about \$90,000; plans may be had from C. H. Page & Bro., Architects, Austin, or E. E. McAnelly, Dallas. (Lately noted.)

W. Va., Wellsburg.—Postoffice.—Treasury Dept., Jas. A. Wetmore, Acting Supervising Archt., Washington, D. C., opened bids to erect postoffice; Colonial Construction & Supply Co., Charlottesville, Va., is lowest bidder at \$41,500. (Noted in July.)

HOSPITALS, SANITARIUMS, ETC.

Ga., Macon.—Hospital Commission selected Alexander F. Blair, Macon, associate architect with Edward F. Stevens, 9 Park St., Boston, to prepare plans and specifications for extensions and improvements to city hospital. (Lately noted.)

Ky., Winchester.—Dr. E. P. Guerrant is considering plans to improve Bethany Hospital and erect annex; will extend building; provide from 7 to 10 rooms, number of wards, bathrooms, etc.

Mo., Jefferson City.—Cole county votes Oct. 19 on \$25,000 bonds to erect hospital and \$25,000 bonds to erect jail. (See City and County.)

Mo., Marshall.—Directors Missouri Colony for Feeble-Minded are reported having plans prepared by J. H. Felt & Co., 800 Grand Ave., Kansas City, for 2-story cottage; 60x140 ft.; cost \$65,000.

Tenn., Memphis.—Baptist Memorial Hospital is considering erecting additional wing at cost of about \$100,000.

Tex., Beaumont.—Jefferson county votes Sept. 17 (extended date) on \$25,000 bonds to erect hospital for insane in connection with jail. Address County Commrs. (Noted in July to vote Aug. 20.)

Tex., Corsicana.—See Government and State.

Tex., El Paso.—Miss Elizabeth Kelly opens bids Aug. 25 to erect sanatorium on Altura Blvd.; 50x250 ft.; brick; tar and gravel roof; cement floors; steam heat; electric lighting; cost \$18,000; Gibson & Robertson, Architects, El Paso; will let all contracts to local people. (Lately noted.)

HOTELS

Fla., Clearwater.—F. E. Lausperie will erect building for hotel and stores or offices and stores. (See Stores.)

Fla., Howey (not a P. O.).—W. J. Howey Land Co., 509 Fort Dearborn Bank Bldg., 76 W. Monroe St., Chicago, Ill., contemplates erection of \$100,000 hotel in new town development, Lake county; stucco over brick veneer construction; 50 rooms. Lately noted under Yaloka, Fla. (See Land Development.)

Fla., Miami.—T. N. Gautier will remodel Anderson Inn; extend to street front, etc.; in spring plans to remove building to adjoining lot and erect apartment-house on present site.

N. C., Alkalithia (not a P. O.).—Company composed of O. F. Poole, Taylorsville, N. C.; E. L. Shuford, Hickory, N. C.; Geo. E. Ransom, Weldon, N. C.; W. A. Bristol, Statesville, N. C., purchased All Healing Springs Hotel and will remodel after Oct. 1.

Okla., Drumright.—S. Razook will erect hotel; brick; 50x75 ft.; 2 stories; lower floor for stores; cost \$10,000.

MISCELLANEOUS

Ala., Tuscaloosa.—Clubhouse.—Tuscaloosa Golf Club contemplates erecting clubhouse.

Fla., St. Augustine.—Clubhouse.—Chas. L. Lyon is Chrmn. of Chamber of Commerce Comm. promoting erection of clubhouse in connection with golf course, etc.; construction under supervision of H. E. Bemis, Gen. Mgr. Florida East Coast Hotel Co. (See Land Development.)

Ga., Butler.—Fair.—Taylor County Fair Assn. will erect building.

Md., Baltimore.—Orphan Asylum.—Hebrew Orphan Asylum, Rayner Ave. and Florence St., Dr. Milton Reizenstein, Supt., will remove to suburban site; cottage system; 4 or 5 cottages for about 30 children each; administration building; hospital; power-house and laundry, etc.; cost \$150,000 or more; construction to begin in spring.

Mo., St. Louis.—Clubhouse.—W. J. Kinsella, John S. Leahy, Dan Nugent and others purchased 100-acre tract in Glennon Park; will expend \$100,000 to erect clubhouse, provide golf links, etc.

Okla., Oklahoma City.—Clubhouse.—Harry Baker of Baker, Hannah & Blake, Harry Ford of Alexander Drug Co., Clarence Sego of Tate-Brady Commission Co. and others are organizing club and plan to erect clubhouse in Northeast Park.

Tenn., Nashville.—Clubhouse.—Commercial Club is considering acquiring Vanderbilt Bldg. on 4th Ave. and to remodel; plans by Marr & Holman, Nashville, call for additional story for kitchen and dining-room, ladies' apartment, swimming-pool, etc.

Tex., Corsicana.—See Government and State.

Tex., Denison.—Clubhouse.—Denison Automobile Club appointed A. G. Edwards, Milo Cox and E. G. Bingham committee to secure site for clubhouse.

RAILWAY STATIONS, SHEDS, ETC.

N. C., Madison.—Norfolk & Western Ry., J. E. Crawford, Ch. Engr., Roanoke, Va., is reported to erect station.

N. C., Madison.—Southern Ry., W. H. Wells, Ch. Engr. Constr., Washington, will erect station to cost several thousand dollars.

Tex., Galveston.—Gulf, Colorado & Santa Fe Ry., F. W. Merritt, Ch. Engr., Galveston, will erect warehouse at Bolivar; sheet-iron walls and roof.

SCHOOLS

Ala., Girard.—City, Earl Morgan, Mayor, voted \$25,000 bonds, including \$15,000 to erect high school. (Noted in July.)

Fla., Gull Point.—County School Board, A. S. Edwards, Supt. of Instruction, Pensacola, will erect 2-room school building at Gull Point, 4-room building at Oak Grove, 3-room building at Ferry Pass, 2-room building at Myrtle Grove, and 2-room building at Pineville; Walker D. Willis, Archt., 619 Blount Bldg., Pensacola; bids received until Aug. 14.

Fla., Ferry Pass.—See Fla., Gull Point.

Fla., Myrtle Grove.—See Fla., Gull Point.

Fla., Oak Grove.—See Fla., Gull Point.

Fla., Pineville.—See Fla., Gull Point.

Fla., West Palm Beach.—Special Tax School Dist. No. 9 votes Sept. 24 on \$4000 bonds to erect school; J. R. Pomeroy, Chrmn. Board of Public Instruction.

Ga., Savannah.—Chatham county votes Sept. 21 on \$400,000 bonds to purchase sites, erect and equip schools; Oliver T. Bacon, Albert Wyllie and others, Commrs. (Noted in July.)

Ga., Scotland.—City voted \$5000 bonds to erect school building. Address The Mayor. (Noted in July.)

Ga., Waycross.—City votes Sept. 11 on \$35,000 bonds to acquire and equip Y. M. C. A. building for school; Scott T. Beaton, Mayor.

Ky., Dixon.—School Board rejected all bids to erect high-school building; 6 rooms; central heating plant; cost about \$10,000. (Noted in July.)

Ky., Highland Park.—Trustees Highland Park Graded Common School Dist. No. 46, Wm. E. McGraw, Pres., receives bids until Aug. 20 to erect porch to front of main school building; also receive bids same date to install plumbing in school building; plans and specifications at office of Henry F. Hawes, Archt., Urban Bldg., Louisville. (See Machinery Wanted—Plumbing.)

La., Livonia.—Pointe Coupee Parish School Board, New Roads, La., rejected all bids to erect school according to plans by Favrot & Livaudais, Title Guarantee Bldg., New Orleans; 62.11x54.11 ft.; will receive new bids for this structure and to erect school at Lottie. (Lately noted.)

La., Lottie.—See La., Livonia.

Md., Baltimore.—City, Richard Gwinn, City Register, receives bids until Aug. 25 to alter and repair schools 112 and 54, Carey and School Sts., and 25th St., near Charles St., respectively.

Md., Baltimore County.—Baltimore County Commrs., Towson, Md., open bids Aug. 21 to

erect school building on Cold Spring Lane near York Rd.; 2 stories; 12 classrooms; brick and concrete; slag roof; steam heat; Archts. taking bids; bidders are: Blake & Engle, Law Bldg., H. A. Nagle; Edw. Brady & Son, 1113 Cathedral St.; W. E. Burnham, Law Bldg.; John Hiltz & Sons, 3 Clay St.; G. Walter Tovell, Eutaw and McCulloh Sts.; John Waters, 23 Center St.; Thos. B. Stanfield & Co., 212 Clay St.; all of Baltimore; Smith & May, 1133 Calvert Bldg., Baltimore, Archts. (Lately noted.)

Miss., Benton.—H. H. Brickell, Chrmn. School Board Yazoo City, Miss., receives bids until Sept. 3 to erect dormitory for high school; plans and specifications on file with Mr. Brickell.

Md., Catonsville.—City, Building Inspector's Office, Baltimore, opened bids to erect additional parental school building; Chas. Herbold & Sons, 2768 W. North Ave., Baltimore, low at \$11,671 for building, including mechanical equipment, and \$10,621 for building without equipment; building 2 stories; 40x60 ft.; frame; shingle roof; wood floor, fireproof, over boiler-room; steam heat; electric light; plans by Building Inspector engineers. (Lately noted.)

Md., Duddin.—School Commrs. are having plans prepared by Otto G. Simonson, Maryland Casualty Tower, Baltimore, for school; 52x77 ft.; stone and frame; slate roof; steam heat; plans ready Aug. 24; bids due Sept. 1. Address Chas. T. Wright, Supt. Schools, County Courthouse, Belair, Md.

Miss., Clinton.—Clinton School Dist. is considering \$12,000 to \$15,000 bond issue to erect and equip school; Frank Greaves, Easton C. Jones and M. Latimer, Trustees.

Miss., Mississippi City.—D. R. Coon, Secy. School Trustees, Gulfport, Miss., receives bids until Sept. 4 to erect 2-story brick school; separate bids for mechanical equipment, consisting of plumbing, heating, gas piping and electrical work; plans and specifications prepared by Nolan & Torre, 415 Hennen Bldg., New Orleans, on file at office of Mr. Coon at Gulfport. (Lately noted.)

N. C., Chapel Hill.—Town has plans by Hook & Rogers, Charlotte, N. C., to erect graded school building; 2 stories; brick and stone; mechanical ventilation; bids opened Aug. 31; plans and specifications at office of Archts. as above and N. W. Walker, Secy., Chapel Hill.

N. C., Greenville.—School Board, F. C. Harding, Chrmn., opens bids about Sept. 1 to erect school building; 10 classrooms, auditorium, domestic science and manual training departments; built-up roof; hot-air heat; limestone trimming; cost about \$22,000; Hoy Taylor, Supt. of Schools; H. E. Bonitz, Archt., Wilmington, N. C. (Noted in June.)

N. C., Greensboro.—City opened bids to erect schools on E. Bragg St. and E. Washington St.; lowest bidders are C. G. Johnson for former at \$9831 and L. B. Jefferies for latter at \$9739; plans by W. L. Brewer, Greensboro, call for frame and brick veneer structure; slate roof; steam heat. (Lately noted.)

N. C., Mt. Gilead.—Town has plans by Hook & Rogers, Charlotte, N. C., for school building; 2 stories; brick; 10 rooms and auditorium; composition roof; plans ready Aug. 20. (Noted in May having voted \$30,000 bonds.)

N. C., Selma.—Selma School Dist. voted \$40,000 bonds for schools. Address Dist. School Trustees.

Okla., Sperry.—Sperry School Dist. No. 17 will erect 6-room brick school. Address School Trustees.

Okla., Tulsa.—School Board receives bids until Aug. 20 at office of Supt. Schools to erect 2-unit school buildings in Kirkpatrick Heights; plans at office of Supt.; bids to include general work, plumbing, heating and electrical wiring.

S. C., Blythewood.—School Dist. No. 21 defeated \$7000 bond issue to erect school building; will enlarge present structure and soon invite bids. Address Dist. School Trustees. (Lately noted.)

S. C., Greenwood.—City voted \$35,000 bonds to erect school. Address Mayor Hartzog. (Lately noted.)

Tenn., Columbia.—Maury County School Board will expend about \$4000 to purchase site and erect consolidated school building for Kettle Mills and Greenfield Bend sections.

Tenn., Knoxville.—City S. G. Helskell, Mayor, will probably erect \$30,000 building on Tulp St. for Moses School instead of expending \$6000 to remodel present structure. (Noted in July.)

Tenn., Nashville.—Agricultural and Industrial Normal School, A. C. Burnett, Supt.

of Agricultural Dept., will erect frame dairy barn.

Tenn., Raleigh.—Shelby County Industrial and Training School Board, Memphis, has option on site near Raleigh and Cedar Grove for erection of girls' industrial training school building; probably brick construction.

Tex., Austin.—School Board purchased site on Wesleyan St. for location of ward school building in West Austin; also purchased site on W. 11th St. for negro ward school to replace West Avenue school.

Tex., Austin.—School Board is having plans prepared by Dennis R. Walsh, Austin, for junior or girls' high school and two 6 or 8-room ward schools; brick or interlocking tile; reported cost of high school \$100,000. (Lately noted.)

Tex., Cleveland.—G. O. Bartle, Prest. School Board, receives bids until Aug. 23 to erect brick and concrete school building; Lane & Dowdy, Architects, Houston.

Tex., Corsicana.—City is reported to erect school to replace Stephen F. Austin School. Address The Mayor.

Tex., Dallas.—Trustees of Houston School Dist. No. 67 of Dallas county receive bids until Aug. 21 to erect 1-story brick school; plans and specifications at Houston Schoolhouse and Grove-Barns Lumber Co. at Beckley and Jefferson, Oak Cliff, and at office of Prof. Henry at courthouse.

Tex., Manchaca.—School Dist. voted bonds to erect additional story to school building. Address Dist. School Trustees.

Tex., Menard.—Bids received until Aug. 23 to erect 2-story-and-basement school; plans and specifications at office of C. H. Leincaut, Archt., Dallas, and Albert Nowald, Menard.

Tex., Nacogdoches.—Nacogdoches School Dist. voted \$45,000 school bonds. Address Dist. School Trustees. (Previously noted calling off election on \$60,000 bonds.)

Va., Forest Depot.—Forest School Dist. receives bids through Heard & Cardwell, People's National Bank Bldg., Lynchburg, to erect 3-room school; plans and specifications at office of architects as above.

Va., Pulaski.—Pulaski Dist. School Board receives bids until Aug. 26 to erect 4-room addition to colored school on 2d St.; plans and specifications at office of Frank F. Stone, Archt., Gardner Law Bldg., Pulaski; also at same time to erect 1-room schools at Weldon and Rays; plans and specifications at office of W. B. Wyatt at freight station.

Va., Richmond.—Board of Education will erect Woodland Heights School; has \$10,000 appropriation.

Va., Salem.—Finance Comm. of Roanoke College opens bids Aug. 27 to erect dwelling for president; 12 rooms; brick; slate roof; hot-water heat; electric light; Frank A. Rommel, Archt., 1524 Chestnut St., Philadelphia, Pa. (Lately noted.)

W. Va., Keyser.—Keyser School Dist. voted \$35,000 bonds to purchase and improve T. B. Davis property for school purposes. Address Dist. School Trustees. (Lately noted.)

STORES

Ala., Birmingham.—Birmingham Realty Co., agents, will erect 2-story brick-veneer building at 15th Ave. and Norwood Blvd.; cost \$4000.

Ala., Birmingham.—Greene Drug Co., J. C. Greene, Prest., inceptd. with capital stock of \$20,000; leased portion of Empire Bldg. and building adjoining and will expend several thousand dollars to remodel.

Ala., Selma.—Geo. W. Carter is reported contemplating erecting store and office building. (See Bank and Office.)

D. C., Washington.—J. H. Wurdeman is having plans prepared by J. H. de S'bour, Hibbs Bldg., Washington, for store at 1134 Connecticut Ave. N. W.; 38x170 ft.

Fla., Clearwater.—F. E. Lanspere contemplates erecting building; 2 stories; lower floor for store; upper floor for offices or hotel.

Fla., Howey (not a P. O.).—W. J. Howey Land Co., 500 Fort Dearborn Bank Bldg., 76 W. Monroe St., Chicago, Ill., contemplates erection of brick or stone store building in new town development, Lake county. (See Land Developments.)

Fla., Miami.—P. Ullendorff is reported to erect business building on 11th St.; 1 story; concrete blocks; 50x60 ft.; 3 storerooms; provision for additional stores.

Fla., St. Petersburg.—Conrad Myer will erect 1-story building to contain 3 stores; stone.

Ga., Atlanta.—C. A. Dahl will alter build-

ing at 103 Peachtree St.; cost \$5000; day work.

La., Bogalusa.—Dorsey Bros. will rebuild store noted damaged by fire at loss of \$12,000.

La., Glenmora.—Glenmora Drug Co. will erect store; 2 stories; brick; wood and concrete floor; built-up roof; Herman J. Duncan, Archt., Alexandria, La.; contract let Aug. 18.

Md., Baltimore.—J. Marshall Thomas is having plans prepared by Theo. Wells Pletsch, 1210 American Bldg., Baltimore, for store and office building at 518 N. Charles St.; 30x114 ft.; semi-fireproof; slag roof; terrace and wood floor; steam heat; gas and electric light; cost about \$20,000; plans ready about Aug. 18. (Noted in May to remodel building.)

Mo., Kansas City.—Richard W. Smith, 3120 Charlotte St., leased 41-ft. site on Walnut St. between 9th and 10th Sts. and is reported to erect 7 to 12-story store and office building.

Mo., St. Louis.—Bureau Real Estate Co. is reported having plans prepared to erect business building at 16th and Chestnut Sts.; cost \$100,000.

Mo., St. Louis.—Goodyear Mfg. Co., 307 N. Broadway, leased building at Broadway and Washington Sts. from E. C. Simmons, owner; front will be installed and other improvements made.

N. C., Bridgeton.—H. M. Bunting contemplates erecting brick business block on Bridge St.

N. C., Bridgeton.—O. J. Rock is reported to erect store building to replace burned structure.

N. C., Bridgeton.—Tingle Bros. are reported to erect store building to replace structure lately noted burned.

N. C., Concord.—Robt. Phifer is reported to repair store building occupied by H. L. Parks & Co., reported damaged by fire.

N. C., Raleigh.—W. A. Myatt will erect store building on S. Blount St.; 2 stories; brick; pressed-brick front; steel ceilings; 52x105 ft.; cost \$8000.

Okla., Ada.—J. H. White, Oklahoma City, will erect brick business building.

Okla., Tulsa.—E. D. Mitchell will erect building at 2d and Detroit Sts. for automobile salesroom; 1 story; 140x100 ft.; Navajo brick, trimmed with terra-cotta; front of plate glass over marble base, with Kowneer fittings and tile prisms above; interior subdivided into four salesrooms; fireproof; M. C. Cross, Archt., Tulsa.

S. C., Orangeburg.—Company will be organized to erect store and theater on Chas. A. Stroman's property on Main St. (See Theaters.)

Tenn., McMinnville.—Mrs. Elizabeth Ross will rebuild store building; fireproof; wire-glass windows. (Noted in July burned at loss of \$5000.)

Tenn., Adams.—R. E. Qualls will erect store and garage; 40x90 ft.; brick.

Tenn., Nashville.—Empress Amusement Co. will erect theater, store and office building. (See Theaters.)

Tenn., Nashville.—R. T. and R. M. Wilson have plans by Thos. W. Gardner and Edward E. Dougherty for 2 store buildings at 216-18 6th Ave.; 2 stories; brick and terra-cotta; bids opened. (Wilson estate lately noted to erect building.)

Tenn., Nashville.—Kennedy-Baird Grocery Co. is erecting addition to building at Hillsboro Rd. and Bell court; cost about \$12,000.

Tex., Center.—P. L. Sandel & Bro. will erect brick business building; 1 story; 30x90 feet.

Tex., Dallas.—S. F. Murphy will erect store building; 60x90 ft.; cost \$9000.

Tex., Waco.—McClelland estate is having plans prepared by Roy E. Lane, Waco, to remodel 2 stores on Austin Ave.

Va., Lynchburg.—D. H. Oglesby will erect store building at Rivermont and Bedford Aves.; brick; tin roof; cost \$3100.

Va., Richmond.—Juseppe Dogliani will erect 2 stores on Broad St.; cost \$3000.

THEATERS

S. C., Orangeburg.—Company will be organized to erect theater on site owned by Chas. A. Stroman on Main St.; 2 storerooms provided in plans; estimated cost \$75,000.

Tenn., Nashville.—Empress Amusement Co., W. H. Wassman, Prest., inceptd. with capital stock of \$100,000; will lease theater to be erected by Sixth Avenue Property Co.; plans by Marr & Holman, Nashville, call for theater, office and store building on 6th St., extending through to Capitol Blvd.; 50x150 ft.; fireproof; gravel roof; concrete floor; indirect hot-air washer ventilating system

to cost about \$10,000; contract let for excavating and reinforced concrete foundation. (Noted in June.)

WAREHOUSES

Ala., Mobile.—Texas Co., Houston, will erect warehouse and pumphouse at St. Emanuel and Georgia Sts.; cost \$4185.

Ark., Little Rock.—J. F. Weinmann Milling Co. contemplates erection of warehouses with capacity of 50 to 75 cars sacked grain and feed. (See Flour, Feed and Meal Mills.)

Ga., Claxton.—Freeman Warehouse Co. is erecting cotton warehouse; 50x150 ft.; brick and corrugated iron.

Ga., Eatonton.—J. O. Walls is reported to erect brick warehouse.

Ga., Jackson.—Farmers' Union Warehouse, J. J. Mapp, Prest., will erect addition to warehouse.

Ga., Savannah.—National Biscuit Co. will erect 2-story brick warehouse on E. Broad St.

Ky., Lexington.—Co-operative Warehouse Co. inceptd. by T. G. Julian, Thos. B. Adams and S. J. Moore, Lexington; Frank M. McKee, Versailles, Ky., and H. W. Moore, Nicholasville, Ky.

La., New Orleans.—National Co-operative Produce & Cold-Storage Co., F. F. Philibert, Sr., Secy. and Gen. Mgr., contemplates erec-

tion of warehouse. (See Ice and Cold-storage Plants.)

Md., Baltimore.—Baltimore Lumber Co. is having plans prepared by Geo. R. Callis, Jr., 55 Knickerbocker Bldg., Baltimore, for warehouse on Watson St. near Central Ave.; 52x50 ft.; 4 stories; mill construction; cost about \$12,000.

Mo., Kansas City.—Freeman & Duncan Realty & Transfer Co. has plans by J. Oliver Hogg, 946 New York Life Bldg., Kansas City, to erect warehouse; 49x117 ft.; architect receiving bids.

N. C., Charlotte.—Merchants & Farmers' Bonded Warehouse Co. will erect addition; 2 stories; 100x54 ft.

S. C., Columbia.—T. D. Ruff and J. M. Anderson will erect warehouse at Sidney Park; cost \$7000.

Tex., Dallas.—Chas. L. Sanger (Chrmn.), H. H. Adams, G. E. Graham and others are committee promoting organization of company to erect cotton warehouse at cost of about \$50,000.

Tex., Houston.—Farmers' Union of Texas contemplates erecting central cotton concentration warehouse in Houston; plans include storage space for 200,000 to 300,000 bales and erection of large compress; reported to have option on site few miles south of Harrisburg on ship channel; estimated cost \$250,000 to \$500,000.

BUILDING CONTRACTS AWARDED

APARTMENT-HOUSES

Ga., Savannah.—L. Weltz let contract to W. A. Chaffee, Savannah, to erect 2-story pressed brick apartment-house.

Mo., St. Louis.—Mrs. A. Hickman let contract to J. Vogel to erect 2-story tenement at 4523 25 Arco St.; cost \$9000.

Mo., St. Louis.—Mrs. C. Alewell let contract to Erdbrugge & Co. to erect 2-story tenement-house at 2243-45 Athlone Ave.; cost \$4950.

Mo., St. Louis.—E. W. Wallenbrock let contract to L. W. Murphy to erect 2-story tenement at 4227-29 Botanical Ave.; cost \$6000.

Tenn., Nashville.—W. E. Parrish let following contracts in connection with erection of residence: Mill work, J. O. Kirkpatrick & Sons; plastering, Cooper & Ferguson; plumbing, Wright & Young; wiring, Union Electric Co.; roofing, Agerton & Robertson Roofing Co.; all of Nashville; owner, general contractor.

Tex., El Paso.—J. B. Binkley of El Paso Electric Supply Co. let contract to Jolly & Morris, El Paso, to erect apartment-house at Fisher St. and Upson Ave.; 8 apartments; cost \$18,000.

Tex., San Antonio.—L. Lobert let contract to erect apartment and store building. (See Stores.)

ASSOCIATION AND FRATERNAL

Ala., Ensley.—Ramey & McCowan will remodel and erect addition to building at 19th St. and Ave. E for lodge hall; addition 50x85 ft.; brick; tile roof; hardwood floor; cost about \$7000; \$1000 heating; \$500 electric lighting. Address J. M. McDowell, Ensley, Ala. (K. of P. and W. of W. lately noted to erect building.)

Tex., Dallas.—Labor Temple Assn. let contract to Hughes O'Rourke Construction Co., Dallas, to erect building at Evergreen and Young Sts.; first floor for stores; 3 stories and basement; reinforced concrete; tar and gravel roof; concrete floor; cost \$50,000; Lang & Wittich, Architects, Dallas. (Lately noted.)

BANK AND OFFICE

Miss., Vicksburg.—First National Bank and City Savings & Trust Co. have plans by and let contract to H. H. Havis, Vicksburg, to erect addition to bank building; completion by Nov. 1. (Lately noted.)

S. C., Charleston.—Title Guarantee & Deposit Co. let contract to Palmer & Spivey, Augusta, Ga., to erect building; marble, tile and ornamental front; 2 stories; brick; 25x100 ft.; heating plant; cost about \$15,000.

Va., Richmond.—H. Seldon Taylor & Son, 8 N. 11th St., are erecting 2-story office building on N. 9th St. for account of Thos. L. Moore; brick; tin roof, hot-water heat; electric lighting; reported cost \$16,000; A. F. Hunt, Archt., Richmond; Harry & Moore, Contrs., Richmond.

CHURCHES

Md., Frostburg.—Salem Reformed Church let contract to Olin Gerlach, Frostburg, to erect building; 35x60 ft.; brick; slate roof;

steel and frame floor construction; steam heat; cost about \$10,000; Geo. F. Sansbury, Archt., Cumberland, Md. (Noted in July.)

Miss., Philadelphia.—Methodist congregation let contract to N. Wright, Philadelphia, to erect building on Main St.; 70x72 ft.; frame; galvanized-shingle roof; edge grain pine floor; \$200 to \$400 hot-air heat separate; electric light; cost \$4000; John Galsford, Archt., Memphis, Tenn.; lately noted. Address J. H. Hester, Philadelphia. (See Machinery Wanted—Heating Equipment, Hot Air.)

Tenn., Linden.—Christian Church let contract to Milas Stewart, Paducah, Ky., to erect building; cost \$3000; frame; Sherrill-Russell Lumber Co., Architects, Paducah.

Tex., Coleman.—Methodist church, Rev. M. K. Little, pastor, let contract to Nelson & Son, Arlington, Tex., to erect building; 2 stories and basement; ordinary construction; metal and tar and gravel roof; steam heat; electric lights; cost about \$25,000; Field & Clarkson, Architects, 614 Wheat Bldg., Fort Worth. (Lately noted.)

Tex., Galveston.—First German Lutheran Church, Rev. C. P. Hasskari, pastor, is reported to have let contract to remodel present structure and erect brick additions to contain Sunday-school rooms, etc.; more present structure back and erect front 45x20 ft. with 88-ft. tower; art glass windows; tiled vestibule; asbestos shingle roof; hot-air heat; indirect lighting system.

Va., Albemarle.—Methodist church let contract to erect brick building; cost about \$7700. Address The Pastor.

Va., Hopewell.—Baptist church let contract to erect building to seat 600. Address The Pastor.

Tex., Yorktown.—Catholic church let contract to Falbo Bros., San Antonio, to erect building.

CITY AND COUNTY

Ga., Eatonton.—Library.—City let contract to Benj. W. Hunt, Eatonton, to erect library; 50x26 ft.; brick; slate roof; wood floor; hot-air heat; electric light; cost \$6000; plans by Chas. Edw. Choate, Atlanta; construction begun. Address Contr.

N. C., Jacksonville.—Jail.—Onslow county is reported to have let contract to erect jail; 2 stories; reinforced concrete; water-works, sewerage and heating plant; Frank B. Simpson, Archt., Home Building, Raleigh, N. C. (Noted in July.)

COURTHOUSES

Va., Clintwood.—Dickenson county let contract to D. G. Kelly, Clintwood, to erect courthouse on Main St.; brick and frame; fireproof and wood floor; cost \$18,000; \$1500 hot-water heat; \$200 electric light; H. M. Miller, Archt., Roanoke, Va. (Lately noted under W. Va.)

DWELLINGS

D. C., Washington.—Mrs. Kate V. Daly let contract to A. L. Smith & Co., Woodward Bldg., Washington, to erect dwelling at 16th and Meridian Sts.; 20.7x60.5 ft.; ordinary con-

struction; tin and tile roof; cost \$10,000; A. R. Mullett & Co., Archts., Union Trust Bldg., Washington; lately noted. (See Machinery Wanted—Vacuum Cleaner; Lighting Fixtures; Flyscreens, etc.)

D. C., Washington.—W. K. Hill let contract to W. L. Turner to erect dwelling at 322 Holland Pl.; 2 stories; brick; cost \$800; Hunter & Bell, Archts., Southern Bldg., Washington.

D. C., Washington.—Wm. Elliott let contract to John Simpson to erect dwelling at 208 Oliver St.; 2 stories; frame; cost \$7000; E. D. Ryerson, Archt., 2759 Northampton St. N. W., Washington.

D. C., Washington.—A. C. Moses let contract to A. C. Moses Construction Co., 916 New York Ave. N. W., Washington, to erect dwellings at 4114-22 Illinois Ave. N. W.; 2 stories; brick; cost \$15,000.

D. C., Washington.—W. S. Minnix let contract to W. B. Appleby, 523 Randolph St. N. W., to erect dwelling at 27th and Porter Sts. N. W.; 2 stories; frame; cost \$9000; Cloughton West, Archt., 1416 Chapin St. N. W., Washington.

D. C., Washington.—E. A. Kranthoff, 713 Riggs Bldg., let contract to Frank W. Hart, 233 Morgan St. N. W., Washington, to erect dwelling at 3725 Huntington St.; hollow tile; asbestos roof; double floor; cost \$6000; plans by Contr.

Fla., Bradentown.—Mrs. J. S. Johnson let contract to T. W. Hullinger & Son, Bradentown, to erect residence; 6 rooms; 140-ft. screened porch.

Fla., Bradentown.—John T. Campbell, Cashier First National Bank, let contract to Baxter & Price, Bradentown, to erect residence on Upham St.; cost about \$5000; construction begun.

Fla., Palm Beach.—Raymond Du Puy, V. P. and Gen. Mgr. Virginian Ry., Norfolk, Va., is reported to have let contract to C. C. Lighthouse, West Palm Beach, to erect bungalow.

Fla., St. Augustine.—R. F. Jones let contract to M. T. Masters, St. Augustine, to erect bungalow on King St.; 5 rooms; frame construction.

Mo., St. Louis.—Maude Hendricks let contract to C. Hendricks to erect 2-story dwelling at 1377 Temple Pl.; cost \$3000.

Mo., St. Louis.—F. Frantline let contract to J. W. Straka, St. Louis, to erect 2-story dwelling at 2020 Ann Ave.; cost \$3000.

Mo., St. Louis.—F. J. Duetting let contract to Bush-Burns Co. to erect 2-story dwelling at 2000 N. Euclid St.; cost \$4000.

Mo., St. Louis.—Louis Drees let contract to W. L. Heckman to erect 2-story dwelling at 461 San Francisco St.; cost \$4000.

Mo., St. Louis.—Geo. T. Burdeau let contract to R. J. Charleyville Building and Investment Co., St. Louis, to erect residence at Hortense Pl. and Kings Highway; exterior faced with matt brick laid in Flemish bond; slate roof; 2 main rooms with paneled wood wainscote extended to ceilings, with Georgian style marble mantels; Preston J. Bradshaw, Archt., St. Louis.

Mo., St. Louis.—R. J. Baldwin let contract to C. W. Nichols to erect two 1-story dwellings at 2232-44 Calvary Ave.; cost \$4000.

S. C., Lancaster.—N. S. Witherspoon let contract to C. W. Spencer, Gastonia, S. C., to erect dwelling; 2 stories; frame; tile roof; hardwood floor; steam heat; cost \$10,000; J. S. Starr, Archt., Rock Hill, S. C.

Tenn., Nashville.—T. J. Christman has contract to remodel residence at 3d and Woodland Sts. for flats; cost \$3500; Chas. A. Ferguson, Archt.

Tenn., Nashville.—Following subcontracts have been let in connection with erection of residence for Richard Plater, for which W. F. Holt, Nashville, is general contractor: Electric wiring, Herbrick & Lawrence; plumbing, T. J. Mooney Co.; heating, Nashville Machine Co.; all of Nashville; plans by Russell E. Hart, Nashville, call for 2-story frame structure with shingle roof; cost \$25,000. (Lately noted.)

Tenn., Nashville.—Mrs. Eura Lee McLain let following contracts in connection with erection of residence: General contract, W. E. Parrish; mill work, J. O. Kirkpatrick & Sons; plastering, Cooper & Ferguson; plumbing, Wright & Young; wiring, Union Electric Co.; roofing, Agerton & Robertson Roofing Co., all of Nashville.

Ten., Chattanooga.—D. P. Montague and F. R. Reed let contract to Mark Wilson, Chattanooga, to erect residence on Vine St.; 9 rooms; brick; J. G. Barnwell, Archt., Chattanooga.

Tex., Houston.—Walter Conover has plans by and let contract to Russell Brown Co.,

Houston, to erect dwelling on Avondale Ave.; 9 rooms; brick veneer; tile roof; construction begun.

Va., Coeburn.—C. P. Laney, Toms Creek, Va., let contract to John Blankenbecker to erect dwelling at Riverview.

W. Va., Fairmont.—Mrs. Luise Fox let contract to Bart Toothman, Fairmont, to erect dwelling on Locust Ave.; 3x43 ft.; brick-veneer; slate roof; cost \$7000; A. C. Lyons, Archt., Fairmont. (Lately noted.)

GOVERNMENT AND STATE

Ala., Opelika.—Postoffice.—Treasury Dept., Jas. A. Wetmore, Acting Supervising Archt., Washington, D. C., let contract to Geo. A. Clayton, Gould Bldg., Atlanta, to erect postoffice and courthouse; 3 stories and basement; 60x80 ft.; brick, concrete and terra-cotta; composition roof; steel and concrete floor; cost \$74,000. (Lately noted.)

Ga., Quitman.—Postoffice.—Treasury Dept., Jas. A. Wetmore, Acting Supervising Archt., Washington, D. C., let contract at \$38,891 to Westchester Engineering Co., White Plains, N. Y. to erect postoffice; limestone construction; 1 story and basement; brick, terra-cotta and stone facing; partly fireproof; 3650 sq. ft. ground area; composition roof. (Westchester Engineering Co. lately noted as lowest bidder.)

HOSPITALS, SANITARIUMS, ETC.

Fla., St. Augustine.—State Board of Control let contract to erect hospital building and negro school building at State School for Deaf and Blind. (See Schools.)

Ky., Henderson.—City Council let contract to Ringo Construction Co., Evansville, Ind., to erect city hospital; cost about \$25,000; Gilbert, Fabian & Brentano, Archts., Evansville. (Noted in July.)

Mo., Kansas City.—St. Joseph's Hospital is reported to have let contract to Geo. A. Fuller Construction Co., 2218 Grand Ave., Kansas City, to erect building on Linwood Blvd.; fireproof; steel and concrete; brick with terra-cotta facing; 6 stories; accommodations for 250 patients; chapel 4 or 5 stories connected with main building; cost about \$400,000; Wilder & Wight, Archts., First National Bank Bldg., Kansas City. (Noted in June.)

S. C., Columbia.—State Hospital for Insane let contract to Du Pre Kennedy Co., Columbia, to erect dairy barn to house 150 cows; ordinary construction; composition shingle roof; concrete floor; cost \$12,500; G. E. Lafaye, Archt., Columbia. (Noted in July.)

Tenn., Chattanooga.—West-Ellis Hospital, 612 W. 9th St., let contract to Adams & Schneider, Chattanooga, to erect twin addition to hospital; 2 stories and basement; 100x80 ft.; cement and brick; tile baths; gravel roof; wood floors; hydraulic elevator; hot-water heat; electric lights; cost \$15,000; J. G. Barnwell, Archt., Chattanooga. (Lately noted.)

HOTELS

Ky., Pikeville.—Tom Williamson let contract to T. J. Williamson, Pikeville, to erect 20-room addition to Hotel Jefferson, Geo. W. Gray, Propr.; for hotel and stores; 60x90 ft.; 2 stories; brick; gravel roof; hardwood floors; steam heat; present boiler to be used; electric lighting; cost \$10,000; W. Griffith, Archt., Pikeville; construction begun. (Lately noted.)

W. Va., Beckley.—Crosier & Freeman, Beckley, general contractors to erect Hotel Raleigh for Beckley Hotel Co., is reported to have let contract for mill work to Huntington Sash, Door & Trim Co., Huntington, W. Va.; plans by A. F. Wyson, Princeton, W. Va., call for building 56x100 ft.; 4 stories; ordinary construction; Johns-Manville roof; passenger elevator; cost \$40,000. (Noted in July.)

MISCELLANEOUS

S. C., Columbia.—Dairy Barn.—State Hospital for Insane let contract to erect dairy barn. (See Hospitals and Sanitariums.)

Va., City Point.—Clubhouse.—E. I. Du Pont de Nemours Powder Co. is reported to have let contract to erect clubhouse for employees; cost \$25,000.

Va., Richmond.—Market.—M. B. Florsheim let contract to W. A. Chesterman, Richmond, to erect market building at Harrison and Broad Sts.; to contain 52 stalls; refrigeration plant; walls lined with white glazed tile; white brick exterior trimmed with granite; cost about \$50,000; T. P. Bonham, Archt. (Lately noted.)

SCHOOLS

Fla., Fort Meade.—Polk County School Board let contract at \$17,013.60 to Robinson & Lee, Fort Meade, to erect school; 3 stories; lower floor unfinished for present; W. R. Biggers, Archt., Tampa. (Lately noted.)

Fla., St. Augustine.—State Board of Control let contract at \$26,949 to Euziel J. Masters, 2 Saragossa St., St. Augustine, to erect negro school building and hospital building at State School for Deaf and Blind; 37x90 and 42x123 ft.; brick and succo; tile roof; wood floor; 4100 heating; Edwards & Sayward, Archts., 633 Candler Bldg., Atlanta. (Noted in July.)

La., Anchor.—Pointe Coupee Parish School Board, New Roads, La., let contract at \$5,280.11 to E. Morgan & Bros., New Roads, to erect school; 13,10x32.10 ft.; Favrot & Livaudais, Archts., Title Guarantee Bldg., New Orleans. (Lately noted.)

La., Glenmora.—Rapides Parish School Board let contract to Caldwell Bros., Alexandria, La., to erect school building; 75x100 ft.; brick; asbestos, slate and Barrett Specification roof; wood floor; B. B. B. Vacuum Vapor heating system; cost \$22,000; Jerman J. Duncan, Archt., 6 Medical Bldg., Alexandria, La. (Lately noted.)

La., Poland.—School Board let contract to G. C. Scallion, Alexandria, La., to erect school building; 63x82 ft.; brick; asbestos, slate and tin roof; wood floor; Vacuum Vapor heating; concrete and galvanized water tank; Herman J. Duncan, Archt., Alexandria, La.

Miss., McLain.—School Board let contract to Walter McKay, Leaf, Miss., to erect school building; about 55x82 ft.; 1 story; brick; Barrett specification roof; wood floors; individual jacketed heaters; cost \$4500; Emmett J. Hull, Archt., Daniel Bldg., Jackson, Miss. (Lately noted.)

Mo., Fulton.—William Woods College let contract to W. R. Odor, Canton, Mo., to erect gymnasium and swimming pool; cost \$30,000.

Mo., Richmond.—Board of Education let contract to Butts & Dickerson, Wichita, Kan., to erect high school and 2 grade schools, including ventilation, heating and plumbing.

N. C., Lexington.—School Board let contract to Griff Smith, Lexington, for 4-room school building.

Okla., Oilton.—School Dist. let contract at \$22,500 to J. J. Rooney, Muskogee, Okla., to erect Hickney addition school.

Okla., Dundee (not a P. O.).—School Board let contract to A. D. Mayes & Co., Atoka, Okla., to erect school building; 2 stories; brick; cost \$12,896; J. B. White, Archt., Ardmore, Okla.

Tenn., Sparta.—School Board will erect model school building at Old Zion; 2 stories; brick; 48x64 ft.; contracts for material let; cost about \$5000.

Tex., Pharr.—School Board, Dist. No. 14, Hidalgo county, let contract to Crawford & Horn, Yoakum, Tex., to erect school building; 107.6x71.6 ft.; fireproof; tin and gravel roof; concrete slab floor; cost complete \$34,000; M. L. Waller & Co., Archts., Fort Worth. (Noted in July.)

Tex., Turnersville.—City let contract to Oates & Sullivan to erect school building; 60x62 ft.; H. D. Pampel, Archt., Temple, Tex. (Noted in July.)

Va., Lynchburg.—City let contract to C. W. Womack, Lynchburg, to erect school building at 11th and Court Sts.; 108x75 ft.; brick; tin roof; wood floors; cost \$30,000; McLaughlin & Johnson, Archts., Lynchburg. Address Contr.

Va., Maryville.—School Board let contract to H. P. Blanks, Lynchburg, Va., to erect school building; 34x64 ft.; 2 rooms; frame; tin roof; cost \$1800; Heard & Cardwell, Archts., Lynchburg, Va. (Lately noted under Lynchburg.)

W. Va., Parkersburg.—Board of Education let contract to Roche-Bruner Building Co., Cincinnati, at \$234,026, to erect high-school building; 3 stories and basement; brick; Frank L. Packard, Archt., Columbus, O. (Noted in February.)

STORES

Ga., Manchester.—J. S. Peters and B. Minckoff let contract to J. P. Corley Lumber Co., Manchester, to erect building; 50x90 ft.; 3 stories; brick.

Ga., Savannah.—J. E. Wise let contract to W. A. Chaffee, Savannah, to erect 2-story brick building at 348 W. Broad St.; white enamel brick front.

Ky., Pikeville.—Tom Williamson let contract to erect addition to Hotel Jefferson for stores and hotel. (See Hotels.)

Miss., Overt.—Abraham Dannis let contract to W. M. Morris, Laurel, Miss., to erect store building; metal roof; cost about \$6000.

Miss., Senatobia.—T. M. McLendon let contract to E. L. Mothershead, Como, Miss., to erect store building; 30x65 ft.; brick and concrete; Carey composition roof; concrete floor; cost \$4500; material bought. (Lately noted.)

Mo., St. Louis.—Leon Hull let contract to Chapline Construction Co. to alter store at 804 Chestnut St.; cost \$4000.

Mo., St. Louis.—Biddle estate let contract to N. Schwegler to erect 2-story mercantile building at 1100-02-04 N. 6th St.; 65x125 ft.; brick; cost \$14,000.

N. C., Charlotte.—V. Wallace & Sons leased double store at 33-35 W. Trade St. and let contract to remodel.

N. C., Raleigh.—Building occupied by Dobbin & Ferrall will be remodeled; brick and terra-cotta front, etc.; 3 stories; J. W. Coffey, contractor, Raleigh; cost about \$10,000.

N. C., Winston-Salem.—J. L. Winblish let contract to J. E. Kennerly, Winston-Salem, to erect 3 brick stores on E. 4th St.

S. C., Columbia.—Edrds Department Store, J. B. Edrds, Prest., Charlotte, N. C., let contract to L. P. Probst, Charlotte, to remodel store at Main & Taylor Sts.; 60x130 ft.; 2 stories and basement. (Lately noted.)

Tenn., Ducktown.—Dr. L. E. Kinsey let contract to erect business building. (Lately noted.)

Tex., Austin.—Thad Thompson, U. S. Minister to Ecuador, let contract to Geo. Flegel, Austin, to remodel and improve building occupied by C. L. Condit & Co.; will install front with show windows extending 14 ft. deep on each side of vestibule entrance; enlarge floor space by more than one-third present capacity, taking in 3 stories; install elevator, etc.

Tex., Hooks.—Dr. J. H. Wilder let contract to J. W. Miller, Texarkana, to erect building for general drug and confectionery store on W. Wilder St.; 100x42 ft.; brick; composition roof; cement floor; cost \$5000.

Tex., San Antonio.—L. Lobert let contract to J. C. Dielmann, San Antonio, to erect store and apartment building on North St.; 45x65 ft.; ordinary construction; gravel and composition roof; cost \$10,000; Leo M. J. Dielmann, Archt., San Antonio. (Lately noted.)

Va., Roanoke.—Messdames Sara M. Allee and C. L. Palmer let contract to L. C. Rhodes to erect store at 19-21 Church Ave. S. W.; 32.5x90 ft.; 2 stories; brick; composition roof; wood floor; cost \$11,000; H. M. Miller, Archt., Roanoke. (Lately noted as McClanahan, Allen & Palmer, owners.)

THEATERS

Okla., Oklahoma City.—Street & McCall let contract to Reinhardt & Donovan, Oklahoma City, to erect theater on Robinson St.; 65x175 ft.; fireproof; reinforced concrete and steel; composition roof; pine floor on sleepers; Blower system heating and ventilating; cost \$75,000; C. Howard Crane, Archt., Detroit, Mich. Address Archt. or Contr. (Noted in July.)

Tex., San Antonio.—Max Oppenheimer let contract to Walsh & Burney, San Antonio, to erect theater on W. Houston St.; reinforced concrete, brick and terra-cotta; cost \$35,000; Alfred Giles Co., Archt., San Antonio. (Previously noted.)

W. Va., Fairmont.—Geo. H. Nelson let contract to Fitzhugh & Brand, Fairmont, to erect motion-picture theater with entrance on Main St.; cost about \$6000; Russell A. Gillis, Archt., Fairmont.

WAREHOUSES

Fla., Sanford.—Clyde Steamship Co., W. M. Tupper, Supt., Jacksonville, let contract to S. D. Shinhofner, Sanford, to erect warehouse and dock; warehouse 120x50 ft.; total cost about \$15,000. (See Miscellaneous Construction.)

Fla., St. Petersburg.—St. Petersburg & Gulf Ry., H. Walter Fuller, Mgr., St. Petersburg Investment Co., let contract to Southern Concrete & Construction Co. to erect 2-story concrete warehouse.

Ga., Augusta.—Riverside Mills let contract at \$8000 to T. O. Brown & Son, Augusta, to erect 3 warehouses on Market St., exclusive of concrete floors, which will cost about \$2000 additional; brick; 53x150 ft.; automatic sprinkler system.

Md., Baltimore.—C. Warner Storck let contract to Burns & Russell, American Bldg., Baltimore, to erect warehouse at 1112-16 Cathedral St.; 2 stories; 50x120 ft.; brick; slag roof; steam heat; cost \$10,000; E. H. Glid-

den, Archt., Garrett Bldg., Baltimore. (Lately noted.)

Md., Baltimore.—Deford Co. let contract to Cowan Bldg. Co., 106 W. Madison St., Baltimore, to erect warehouse addition on Hollingsworth St. near Lombard St.; 28.5x

42.3 ft.; 5 stories; brick; slag roof; cost \$5400.

N. C., Scotland Neck.—Spanish-American Peanut Co. let contract to Burwell & Riddick, Suffolk, to erect warehouse; 150x88 ft.; 1 story.

is Engr. Estimated cost of construction over \$200,000.

STREET RAILWAYS

Md., Baltimore.—A short suburban railway is to be built from the York Rd. along Regester Ave. to Idlewyde. W. A. House, Prest. United Railways & Electric Co., Baltimore, may be able to give information.

Mo., Kansas City.—John M. Egan, 1500 Grand Ave., will receive bids up to Aug. 25 to construct for the Metropolitan Street Ry. Co. double track, 3200 ft. long on Broadway from 14th St. to Southwest Blvd.; 16,000 ft. single track on Prospect Ave. from 48th to 71st Sts.; 1575 ft. double track on 24th St. from Brighton to Hardesty Ave.; 5470 ft. double track on 31st St. from Indiana Ave. to Brighton Ave.; 1890 ft. double track on Main St. from 24th to 27th Sts.; 10,800 ft. single track on 12th St. from Jackson to Winchester Ave.; connections and other facilities also to be built.

Tex., Fort Worth.—County Comms. authorized Northern Texas Traction Co. to extend its Summit Ave. street-car line 1½ mi. to the Belt Line tracks of the Frisco R. R. G. H. Clifford is V.-P. and Mgr.

W. Va., Parkersburg.—Kanawha Traction & Electric Co. proposes to build double track on Murdoch Ave. from Pottery Junction to 13th St. S. D. Camden is Prest.

RAILROAD CONSTRUCTION

RAILWAYS

Ala., Dothan.—Atlanta & St. Andrews Bay R. R. Co. is reported contemplating construction of an extension north from Dothan via Eufaula, Ala., to Columbus, Ga., about 85 mi. B. W. Steele, Dothan, is Gen. Mgr.

Ga., Macon.—Central of Georgia Ry. proposes to extend sidings at 22 stations between Macon and Atlanta to increase traffic capacity of line. C. K. Lawrence, Savannah, Ga., is Chief Engr.

Ga., Rome.—The Rome Chamber of Commerce has appointed E. E. Lindsey, B. I. Hughes and Wright Willingham to confer with the Seaboard Air Line Ry. Co. with a view to securing the construction of a railroad from Rome, possibly to Fish, Ga., 14 miles.

Ky., Middlesboro.—Wasioto & Black Mountain R. R. Co. has amended charter changing name to Kentucky & Virginia R. R. Co. This is part of Louisville & Nashville R. R. system, and reports have circulated for some time that an extension might be constructed into Virginia. H. C. Williams, Louisville, Ky., is Chief Engr. of Constr.

Md., Williamsport.—Williamsport, Neshle & Martinsburg R. R. is constructing its line on the Hedgesville grade and will continue construction as far as rights of way have been obtained toward Martinsburg. John Carmichael, Hagerstown, Md., is Prest.

Mo., Rolla.—Rolla, Ozark & Southern Ry. Co. has completed about one-third of its proposed line from Rolla to Annett, Mo., 18 mi. Financial arrangements pending. A bridge over Dry Fork Creek will be required. Date for construction bids not yet fixed. E. C. Comstock of Lecom, Mo., is Prest.; E. W. Walker is V.-P.; F. W. Webb, Treas.; J. Ellis Walker, Gen. Mgr. and Secy.; all of Rolla; J. A. Frank of Annett completes the list of directors. J. M. Southgate is Ch. Engr. Country is rolling, but route follows a dividing ridge.

Mo., St. Joseph.—Chicago, Burlington & Quincy R. R. will extend tracks in St. Joseph under franchise recently granted. W. L. Breckenridge, Chicago, Ill., is Ch. Engr.

N. C., Bushnell.—Southern Ry. Co. and the Aluminum Co. of America are reported to have reached an agreement concerning proposed construction of line between Bushnell, N. C., and Chilhowee, Tenn., about 25 mi., and projected work may soon begin along the Little Tennessee River. W. H. Wells, Washington, D. C., is Chief Engr. of Construction for the Southern.

N. C., Charlotte.—Piedmont & Northern Lines have begun construction of a spur more than a mile long at Charlotte to the Elizabeth Mill.

N. C., Murphy.—Several lines have been surveyed for a railroad projected by the Graham Timber Co. from Murphy to timber lands in Graham county. W. C. Sandlin, Andrews, N. C., is Engr.

N. C., Mount Airy.—Mount Airy & Eastern Ry. has begun construction of extension from Meadowfield, Va., 6 mi. to timber. Joseph C. Sheehy is Prest.

Okla., Blackwell.—Plans are under way to organize a railroad company to build a line out of Blackwell to connect with the St. Louis & San Francisco R. R. at Peckham and at Braman with the Santa Fe system. It would develop the Blackwell oil field. Address Railroad Committee.

S. C., Greenville.—Southern Ry. will soon invite bids for 26 mi. of double-tracking on main line between Greenville and Central. W. H. Wells, Washington, D. C., is Chief Engr. of Construction.

Tenn., Smithville.—De Kalb county has voted to issue \$150,000 of 4 per cent. 30-year bonds to aid construction of the Nashville & Eastern R. R., represented by Charles Edwards. Proposed route Nashville to Smithville, about 55 mi. George Puckett is Chmn. and Brown Davis, Secy., of bond committee.

Tex., Corpus Christi.—Citizens have voted franchise to J. H. Caswell of San Diego, Cal., and associates who propose to build interurban railway from Corpus Christi to Wards Island, 8 mi.

Tex., Houston.—Moore & Son of Lufkin, Tex., are reported to have contract from the Houston, Richmond & Western Traction Co. to grade from the Brazos River to the city

limits. Ed. Kennedy, Houston, is Prest. and Gen. Mgr.

Tex., Houston.—The J. G. Browne Co., 708-9 Stewart Bldg., will make plans for the construction of 2½ mi. of railway for the Shepherd Gravel Co.; 56-lb. rails to be leased for the track.

Va., Petersburg.—C. D. Rigsbee of Durham, N. C., is reported to have closed a contract for construction on the Petersburg & James River Corporation's railway from Petersburg to Hopewell, Va., about 10 mi.

Va., Petersburg.—Construction is to begin immediately on the Petersburg & Appomattox Ry. Co.'s line from Petersburg to Hopewell and City Point, about 10½ mi. Vaughan Construction Co. of Roanoke, Va., is the contractor. T. M. Wortham of Richmond is Prest. of the railway. Among others interested are R. H. Mann and S. W. Zimmer of Petersburg. W. W. LaPrade of Richmond

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Manufacturers and others in need of machinery or supplies of any kind are requested to consult our advertising columns, and if they cannot find just what they wish, if they will send us particulars as to the kind of machinery or supplies needed we will make their wants known free of cost, and in this way secure the attention of manufacturers and dealers throughout the country. The Manufacturers Record has received during the week the following particulars as to machinery and supplies wanted.

"WANTS"

Agricultural Implements and Supplies, etc.—Leon H. Bassan, Sofia, Bulgaria.—Correspondence with manufacturers of agricultural implements and supplies; also other articles of commerce; view to representation.

Arms and Ammunition Machinery and Materials.—Newman Machine Co., Jackson St. and Southern Ry., Greensboro, N. C.—Addresses of manufacturers of machinery and materials for making war munition, especially rifles.

Asphalt.—James L. Glass, Troy, Ala.—Asphalt for use as binder for ground cork in cold-storage and packing plant.

Bags (Cotton), etc.—Furio Viola & Co., commission merchants, Buenos Ayres, Argentina.—Inter ted in prices on cotton and Hessian bags for corn, sugar, coffee, etc.; hemp packing cord; glue; shoe leather; cotton clothes; silk and cotton hosiery; chemical products and rugs; soaps and candles; also food products. (See Food Products.)

Boilers (Locomotive).—John G. Duncan Co., Box 265, Knoxville, Tenn.—Dealers' prices for quick delivery on 75, 80 and 100 H. P. locomotive boilers, guaranteed for 100 lbs. working pressure; 125 lbs. working pressure preferred; second-hand. (See Engine.)

Boxes (Tin).—See Typewriter Ribbon Materials.—Georgia Ribbon & Carbon Co.

Boring Mill.—Houston Car Wheel & Machine Co., Houston, Tex.—Double-splindle, vertical boring mill for boring pump cylinders ranging from 4 in. diam., 24 in. long, to 14 in. diam., 48 in. long, with facing attachment.

Brick.—O. W. Williams, Polk and Orleans Sts., Memphis, Tenn.—Prices on common hard and red pressed brick in carload lots, f. o. b. Easton Station, N. C. & St. L. R. R., Nashville, Tenn.

Bridge Construction.—Kanawha County Court, M. P. Malcolm, Prest., Charleston, W. Va.—Bids until Aug. 30 to construct 2 bridges, one over Morris Creek and other over Upper Creek, both in Cabin Creek Dist.; specifications and drawings on file with County Court Clerk's office and office F. G. Burdett, County Road Engr.

Buildings (Structural).—See Crane (Electric).—Tulsa Boiler & Mfg. Co.

Canned Goods.—See Food Products.—Furio Viola & Co.

Capstans (Motor-driven).—See Drydock Equipment.—Panama Canal.

Cars.—See Rails, etc.—D. Beya & Co.

Castings.—J. M. B. Lewis, Archt. and Engr., Lynchburg, Va.—Correspondence with view to placing order for manufacture of

cast-iron drinking bowl for watering stock; light gray iron castings; bowl about 20 in. long, 8 in. wide, 3½ in. deep.

Cell Fronts (Steel), etc.—Dept. of Justice, Office Supt. of Prisons, Washington, D. C.—Bids until Sept. 10 to furnish and deliver at U. S. Penitentiary, Atlanta, Ga., steel cell fronts and mechanical locking device for entire cell blocks in west main cell wing; information and copies of specifications obtainable on application.

Cereals.—Bensussan, Sides & Co., Salonique, Greece.—Cabled prices on cereals, especially spring and winter wheat and other grains.

Cement, etc.—O. W. Williams, Polk and Orleans Sts., Memphis, Tenn.—Prices on Portland cement, fiber plaster and lime in carload lots, f. o. b. Easton Station, N. C. & St. L. R. R., Nashville, Tenn.

Chimney Construction.—Board of Public Works, D. B. McKay, Chmn., Tampa, Fla.—Bids until Aug. 24 to build chimney at city's incinerating plant; bidders to submit their own plans and specifications with bid; information relative to dimensions, material, location, etc., obtainable from City Engr. Allen Thomas, Clerk.

Clothespin Machinery.—See Woodworking Machinery.—John G. Duncan Co.

Conveyors.—See Quarrying (Lime Rock Machinery).—James E. Rector.

Cotton Clothes.—See Bags (Cotton), etc.—Furio Viola & Co.

Cotton Duck.—G. G. McCann, Secy., Treas., Virginia Buggy Co., Franklin, Va.—Addresses of Southern manufacturers of 8-oz. army duck suitable for wagon covers.

Cranes (Electric).—Tulsa Boiler & Mfg. Co., J. M. Hughes, Mgr., Detroit Hotel, Tulsa, Okla.—Prices on used electric cranes; would also consider second-hand buildings, 50 to 60 ft. wide, with crane way not under 22 ft. to tip of rail.

Dam Construction, etc.—Comms. Everglades Drainage Dist., Tallahassee, Fla. Bids until Aug. 24 to construct 3 locks and dams in Everglades Drainage Dist.; plans, specifications and other information obtainable for \$10.

Dam Construction.—H. J. Cox, City Clerk, Toccoa, Ga.—Bids until Aug. 20 to construct sectional concrete-wood dam; bids on 2 heights; spillway with elevation of 111.00 and bulkhead of 114.5; spillway with elevation of 116.00 and bulkhead of 119.5; plans and specifications by H. M. Nabstedt, Engr., on file with City Clerk. (Lately mentioned.)

Decorating.—W. H. Brewer, Supt. Post Fund, Southern Branch, N. H. D. V. S.,

National Soldiers' Home, Va.—Bids until Aug. 18 for painting and decorating interior of theater No. 32.

Dredging.—Henderson County Drainage Comms., Otis A. Benton, Secy., Lexington, Tenn.—Bids until Sept. 7 to dredge Sellers' ditch, removing 36,000 cu. yds. earth.

Drydock Equipment.—Panama Canal, F. C. Boggs, Gen. Purchasing Officer, Washington, D. C.—Bids until Sept. 13 to furnish motor-driven capstans, switchboards, cables and miscellaneous equipment for Drydock No. 1, Balboa Terminals; blanks and general information relating to this circular (No. 962) may be obtained from this office or offices of assistant purchasing agents, 21 State St., New York; 614 Whitney-Central Bldg., New Orleans, and Fort Mason, San Francisco; also from U. S. Engr. offices in Seattle, Los Angeles, Baltimore, Philadelphia, Pittsburgh, Boston, Buffalo, Cleveland, Cincinnati, Chicago, St. Louis, Detroit, Milwaukee, St. Paul, Chattanooga, Louisville, Mobile and Galveston; Commercial Club, Kansas City, Mo.; Chamber of Commerce, Quincy, Ill., and Commercial Club, Tacoma, Wash.

Electrical Equipment.—See Drydock Equipment.—Panama Canal.

Electrical Equipment.—Bond Trustees, Geo. M. Powell, Chmn., Jacksonville, Fla.—Bids until Sept. 6 to furnish following: 1000 induction recording Watt meters, both single-phase and multi-phase, for 110 or 220 volts, 60 cycles, 7200 alternations; 1200 kilowatts standard transformers, primary voltage 2200, secondary voltage 110-220, in carrying sizes up to 50 K. V., inclusive; 2000 kilowatts single-phase, oil-cooled transformers of subway type, primary voltage 2200, secondary voltage 110-220, either or both, in varying sizes up to 100 K. V. A., inclusive; all on basis of future delivery contract, shipments to be made from time to time as required; for further information apply to R. N. Ellis, Purchasing Agent, City Hall.

Electric-Light Plant.—City of Hickory, N. C., S. C. Cornwell, City Mgr.—Bids until Oct. 12 for franchise to operate electric light, power, fuel and heat plants for 20 years.

Electrical Machinery.—See Mining (Gold) Equipment.—Eureka Mining Co.

Electric Motors.—Tulsa Boiler & Mfg. Co., J. M. Hughes, Mgr., Detroit Hotel, Tulsa, Okla.—Prices on 7½ to 15 H. P. electric motors.

Electrical Supplies.—R. L. Dearborn, 330 S. Tryon St., Charlotte, N. C.—Catalogues, samples and prices on electrical supplies.

Electrical Unit.—Dallas County Auditor, Dallas, Tex.—Bids until Aug. 23 to install additional electrical unit in engine room of Criminal Courts and Jail Bldgs.; bids to include foundation work, pipe work, 200 K. W. generator, 320 H. P. engine, remodeling of switchboard, etc.; plans and specifications on file with H. A. Overbeck, Archt., 502 Juanita Bldg., Dallas; Chas. E. Gross, County Auditor.

Electrical Transmission Material.—Kentucky River Power Co., R. L. Cornell, Mgr. and Engr., Hazard, Ky.—Line hardware, copper wire, insulators, steel towers, line tools, sub-station equipment, etc.

Elevators.—See Machinery, etc.—D. Beya & Co.

Elevators (Electric).—Helena Ornamental & Pressed-Brick Co., Helena, Ark.—Electric elevators for 3-story buildings; 2, 6 or 8-passenger.

Engine.—John G. Duncan Co., Box 265, Knoxville, Tenn.—Price on 50 to 60 H. P. second-hand engine. (See Boilers.)

Engines (Steam).—See Mining (Gold) Equipment.—Eureka Mining Co.

Engines (Gas Tractor).—S. R. Biggs Iron & Motor Co., Williamston, N. C.—Correspondence with manufacturers of gas tractor engines for road work.

Evaporators (Cocoanut).—C. M. Peddicord, Brunswick, Ga.—Addresses of manufacturers of machinery to evaporate cocoanuts; wanted for Honduras market.

Evaporators (Sorghum).—O. O. Harwell, R. No. 1, Troutman, N. C.—Addresses of manufacturers of steam evaporators for making sorghum molasses.

Fly Screens, etc.—Mrs. Kate V. Daly, care A. B. Mullett & Co., Union Trust Bldg., Washington, D. C.—Fly screens and decorations for dwelling.

Food Products.—Furio Viola & Co., commission merchants, Buenos Ayres, Argentina.—Interested in prices on rice, bacon, cotton oil, dried fruits, California fresh fruits and canned vegetables, salmon and sardines. (See Bags (Cotton), etc.)

Foods and Feed Products.—J. S. Wilson, Bailey, N. C. — Correspondence with manufacturers and handlers of foods and feed products and household and other specialties; view to brokers' agencies and distributing.

Fuller's Earth.—E. B. Thompson, Thomastown, Ga. — Data on mining and marketing of fuller's earth and prices on machinery.

Fuller's Earth.—V. H. Nowell, care W. R. Dawson & Co., 112 Jackson (8th) St., Augusta, Ga. — Data relative to mining, marketing and use of fuller's earth and prices on machinery.

Glasses (Level and Plumb).—K. & K. Tool Co., R. D. No. 2, Box 204, Denver, Col. — Correspondence with manufacturers of plumb and level glass.

Grain.—See Cereals.—Bensusan, Sides & Co.

Graveling, etc.—Chas. E. Bolling, City Engr., Richmond, Va. — Bids until Aug. 19 for certain graveling and granite spall gutters; proposal forms on application.

Gravel Plant.—Shepherd Gravel Co., care J. G. Browne Co., 708 Stewart Bldg., Houston, Tex. — To purchase equipment (hydraulic) for gravel plant.

Grinding and Pulverizing Machinery.—See Root Cutters, etc.—Fred Hunt's Machine Shop.

Handles (Plow).—See Plow Parts.—W. R. Bramlett's Sons.

Hardware.—See Electrical Transmission Materials.

Heating Equipment (Hot Air).—J. H. Hester, Philadelphia, Miss. — Bids on installation of \$300 to \$400 hot-air heating for church.

Holst.—Beaumont Construction Co., Johnson City, Tenn. — Hoisting engine and brick hoist.

Hosiery.—See Bags (Cotton), etc.—Furlo Viola & Co.

Household Specialties, etc.—See Foods and Feed Products.—J. S. Wilson.

Hub Machinery.—Henry O. Garrett, Dadeville, Ala. — Addresses of manufacturers of machinery to make white oak wagon hubs.

Incinerator.—City of Marble Falls, Tex., R. E. Johnson, Mayor. — Will need garbage incinerator plant for dead stock, night soil and garbage; about 2 tons capacity.

Ice Machinery.—Colleton Mercantile & Mfg. Co., Ritter, S. C. — Prices on 1-ton ice plant; has steam power.

Levee Construction.—G. L. Robinson, County Clerk, Newport, Ark. — Bids until Aug. 21 to construct road levee across Cache Bottom in Road Dist. No. 5, Grubbs township, near Grubbs; 16,000 cu. yds. earth; W. D. McLain, County Judge, Newport.

Lighting Fixtures.—Mrs. Kate V. Daly, care A. B. Mullett & Co., Union Trust Bldg., Washington, D. C. — Lighting fixtures for dwelling.

Lime.—O. W. Williams, Polk and Orleans Sts., Memphis, Tenn. — See Cement, etc.

Locks and Locking Device (Prison Cell).—See Cell Fronts (Steel), etc.—Dept. of Justice.

Lock Gates.—War Dept., U. S. Engr. Office, Montgomery, Ala. — Bids until Sept. 20 to furnish lock gates. Information on application.

Locomotive.—Shepherd Gravel Co., care J. G. Browne Co., 708 Stewart Bldg., Houston, Tex. — To lease one locomotive.

Machine Tools.—M. T. care Manufacturers Record, Baltimore, Md. — Good machine tools to equip manufacturing plant. Give complete details and prices first letter.

Machinery, etc.—D. Boya & Co., Barcelona, Spain. — Interested to correspond with machinery manufacturers, view to representation; machinery for making soap, stone crushers, flour mills, etc.; chocolate and candy machinery; building machinery, including elevators; mining machinery and materials; also railway equipment, including rails and ars.

Merchandise (General).—See Agricultural Implements and Supplies, etc.—Leon H. Bassan.

Mining (Gold) Equipment.—Eureka Mining Co., D. E. Hammer, Secy.-Treas., High Point, N. C. — Prices on steam engines, pumps, hoisting and drilling machinery, electric power and appliances; can secure electricity 1½ mi. distant.

Mining (Sandstone) Machinery.—Colbourn, Tallant & Co., Christiansburg, Va. — Addresses of manufacturers of machinery for developing sandstone.

Painting.—City, Richard Gwinn, City Register, City Hall, Baltimore, Md. — Bids

until Aug. 25 for interior painting and plaster patching Tuerculosis Hospital.

Painting.—W. H. Brewer, Supt. Post Fund, Southern Branch, N. H. D. V. S., National Soldiers' Home, Va. — Bids until Aug. 18 for painting and decorating interior of theater No. 32.

Palmetto Berries.—Cedarite Chemical Co., Biloxi, Miss. — Correspondence with handlers of Palmetto berries.

Paving.—Comms. of Public Works, D. B. McKay, Chmn., Tampa, Fla. — Bids until Aug. 24 to grade and pave Park Ave. from Florida to Massachusetts Ave. with sheet asphalt; 4400 sq. yds.; specifications obtainable from City Engr.; Allen Thomas, Clerk.

Paving.—Board of Public Works, Roger G. McGrath, Secy., Louisville, Ky. — Bids until Aug. 26 to pave sections of 32d and Dupuy Sts. with vitrified brick; samples of brick to be submitted; drawings and specifications on file with Board of Public Works.

Paving.—J. A. Harper, City Secy., Corsicana, Tex. — Bids until Aug. 27 to pave sections of N. Beaton and S. 15th Sts., E. 5th and W. 7th or Confederate Aves.; each bidder to bid separately on bituminous pavement on 5-in. gravel concrete foundation, brick on concrete foundation, asphalt macadam, asphalt concrete, rock asphalt, concrete pavement, concrete curbs, concrete gutters 18 in. wide, concrete gutters 24 in. wide, combination concrete curbs and gutters; gutters 24 in. wide and face of curbs 8 in.; specifications on file with City Secy.

Pipe.—Arkansas Light & Power Co., Arkadelphia, Ark. — Prices on 35 tons 6-in. and 4-in. cast-iron pipe, class B.

Planing Machine.—Navy Dept., Bureau Supplies and Accounts, Washington, D. C. — Bids opened Sept. 7 on belt-driven planing machine, schedule 8688, delivery Washington, D. C.

Plaster.—O. W. Williams, Polk and Orleans Sts., Memphis, Tenn. — See Cement, etc.

Plow Parts.—W. R. Bramlett's Sons, Laurens, S. C. — Addresses of manufacturers of oak plow handles and bent plow feet.

Plumbing.—Board of Trustees, Highland Park Graded Common School, Dist. No. 46, Wm. E. McGraw, Prest., Highland Park, Ky. — Bids until Aug. 30 to install plumbing in school building; plans and specifications at office of Henry F. Hawes, Archt., Urban Bldg., Louisville, Ky.

Pulverizing Machinery.—See Quarrying (Lime Rock) Machinery.—James E. Rector.

Quarrying (Lime Rock) Machinery.—James E. Rector, 11 Church St., Asheville, N. C. — Addresses of manufacturers of machinery for quarrying lime rock and of pulverizing machinery and conveyors.

Rails, etc.—Hawessee Valley Ry. Co., Fred A. Cloud, Chief Engr., Andrews, N. C. — Prices on 2500 tons 60-lb. relaying rails with spikes, etc., delivered f. o. b. Andrews.

Rails, etc.—D. Boya & Co., Barcelona, Spain. — Interested in importing rails for steam railways and their accessories, such as passenger and other cars. (See Machinery, etc.)

Rails.—Shepherd Gravel Co., care J. G. Browne Co., 708 Stewart Bldg., Houston, Tex. — To lease 2½ mi. 56-lb. steel rails and one locomotive.

Railway Construction.—John M. Egan, 1509 Grand Ave., Kansas City, Mo. — Bids until Aug. 25 to construct, for Metropolitan Street Ry. Co., double track 3300 ft. long on Broadway from 14th St. to Southwest Blvd.; 16,000 ft. single track on Prospect Ave. from 48th to 71st Sts.; 1575 ft. double track on 24th St. from Brighton to Hardesty Ave.; 5470 ft. double track on 31st St. from Indiana Ave. to Brighton Ave.; 1890 ft. double track on Main St. from 24th to 27th Sts.; 10,800 ft. single track on 12th St. from Jackson to Winchester Ave.; connections and other facilities also to be built.

Road Construction.—Claborn County Comms., J. H. S. Morison, Chmn., Tazewell, Tenn. — Bids until Sept. 2 to macadamize Cumberland Gap-Tazewell Rd., 12 mi., and Powell Valley Rd., 18 mi.; also to grade 28 mi. road; plans and specifications on file with Comms.

Road Construction.—Marengo County Comms., A. L. Hasty, official in charge, Linden, Ala. — Will let contract Sept. 7 on about 40 mi. sand and clay-gravel roads, northern division of county; F. W. Gaines, Jr., Selma, Ala., Engr.

Road Construction.—Bell County Commissioners, Pineville, Ky. — Bids until Aug. 21 to improve road between Wallsend and Four Mile; plans and specifications on file with County Road Engr., Pineville; W. C. Bingham, County Clerk.

Road Construction.—Hopkins County Fiscal Court, Will T. Mills, Judge, Madisonville, Ky. — Will let contract Aug. 21 on 1 mi. rock or macadam road.

Road Construction.—Isle of Wight County Comms., Isle of Wight, Va. — Bids at County Clerk's office until Aug. 23 to construct about 14 mi. of sand-clay road between Windsor and Franklin via Walters; plans and specifications on file at Clerk's Office, Isle of Wight, and office of State Highway Com., Richmond; specifications furnished by G. P. Coleman, State Highway Commr., Richmond.

Rolls (Bending).—Tulsa Boiler & Mfg. Co., J. M. Hughes, Mgr., Detroit Hotel, Tulsa, Okla. — Prices on plate bending rolls.

Root Cutters, etc.—Fred Hunt's Machine Shop, Somerset, Ky. — Small machine (for customer) for cutting roots and herbs; also mill for grinding and pulverizing same.

Road Machinery.—See Engines (Gas Tractor).—S. R. Biggs Iron & Motor Co.

Reels (Metal).—See Typewriter Ribbon Materials.—Georgia Ribbon & Carbon Co.

Rubber Shoes.—Bensusan, Sides & Co., Salonique, Greece. — Samples and prices of rubber shoes; view to representation.

Saw (Circular).—Fred Hunt's Machine Shop, Somerset, Ky. — Second-hand 60-in. inserted tooth circular saw; for customer.

Seawall Construction.—Seawall Commissioners of Dist. No. 1, Chas. W. Shepard, Secy., Bay St. Louis, Miss. — Plans and specifications for seawall to be constructed on and along beach at Waveland; about 8000 ft.

Shoe Nails.—See Spoons and Forks, etc. — Panos C. Papageorgopoulos.

Spoons and Forks, etc.—Panos C. Papageorgopoulos, 77 Kolocotroni St., Piraeus, Greece. — Correspondence (view to representation) with manufacturers of spoons, forks and shoe nails.

Show Window.—E. H. Cone Drug Co., Atlanta, Ga. — Double glass refrigerator show window for drug store.

Steel Ceiling.—W. H. Brewer, Supt. Post Fund, Southern Branch, N. H. D. V. S., National Soldiers' Home, Va. — Bids until Aug. 18 to supply and install steel ceilings, painting and decorating interior of theater No. 32.

Steel Towers.—See Electrical Transmission Materials.

Store Fixtures.—E. H. Cone Drug Co., Atlanta, Ga. — Fixtures and furniture for drug store 30x115 ft.

Tank.—Arkansas Light & Power Co., Arkadelphia, Ark. — Prices on 40,000-gal. tank, 75 ft.; delivery Magnolia, Ark.

Taps (Heel, Iron).—Bensusan, Sides & Co., Salonique, Greece. — Samples and prices of iron heel taps for boots and shoes with square holes; also nails; of best quality Nos. 1-25, in packages of 1 doz. each, these packages in cases; goods delivered promptly Salonique, c. i. f. paid, war risk provided for and no charge for packing.

Tile (Wall).—E. J. Masters, St. Augustine, Fla. — Prices on interlocking wall tile per 1000, f. o. b. St. Augustine.

Tin.—Navy Dept., Bureau Supplies and Accounts, Washington, D. C. — Bids opened Aug. 31 on sheet tin (tinned plate) andterne plate tin sheets, schedule 8677, delivery Norfolk, Va.

Tractor.—Federal Realty Co., Jacksonville, Fla. — Light tractor for use on demonstration farm.

Typewriter Ribbon Materials.—Georgia Ribbon & Carbon Co., 10 Auburn Ave., Atlanta, Ga. — Addresses of manufacturers or importers of following for manufacture of typewriter ribbons: Imported best quality fabrics—cut edge and woven edge, non-filling, 144 yds. to reel, widths from 7-16 to 1½ in.; links—fast colors, best quality, suitable for cold roller process; metal reels—suitable for all typewriting machines; tin boxes—about 2½x2½x½ in., printed or lithographed.

Vacuum Cleaner.—Mrs. Kate V. Daly, care A. B. Mullett & Co., Union Trust Bldg., Washington, D. C. — Vacuum cleaner for dwelling.

Viaduct Construction.—Board of Public Works, Roger G. McGrath, Secy., Louisville, Ky. — Will grant franchise Aug. 27 to construct elevated railroad structure or viaduct across alley between 2d and 3d Sts.; ordinance regarding construction on file with Board of Public Works, Room 208, City Hall.

Wire (Copper).—See Electrical Transmission Materials.

Woodworking Machinery.—See Hub Machinery.—Henry O. Garrett.

Woodworking Machinery.—John G. Duncan Co., Box 265, Knoxville, Tenn. —

Prices on new and second-hand band resaw machines; also machine for manufacturing clothespins. Give jobbers' prices, quick delivery.

FINANCIAL NEWS

The MANUFACTURERS RECORD invites information about Southern financial matters, items of news about new institutions, dividends declared, securities to be issued, openings for new banks, and general discussions of financial subjects bearing upon Southern matters.

FINANCIAL CORPORATIONS

Ala., Birmingham.—Wert Wright, Prest. Stockyard National Bank, denies report that he is interested in organization of Stockman's Bank, Birmingham.

Ark., Jonesboro.—People's Mutual Life Insurance Co. is organized with J. F. Christy, Prest.; Dr. H. H. McAdams, V.-P.; Dr. H. H. McAdams, Treas.; Dr. H. A. Stroud, Secy.

Ark., Pine Bluff.—National Bank of Arkansas, capital \$100,000, expects to begin business about Sept. 1 with C. H. Triplett, Sr., Prest.; L. W. Clement of English, 1st V.-P.; H. Bringham of Pine Bluff, 2d V.-P.

Ky., Hazel.—Dees Bank of Hazel has applied for charter. Among those interested are H. F. Rose, Mrs. Kate Rose, J. R. Miller, Will Myer, Jake Myer, John D. McLeod and J. W. Denham.

Ky., Hopkinsville.—Bank of Hopkinsville has filed articles of incorporation; capital \$100,000; directors and incorporators, Nat Galtner, W. T. Williamson, M. V. Duin, J. P. Garrett, J. F. Dixon, E. S. Stuart, L. H. Davis and W. T. Fowler. The Manufacturers Record is informed by Mr. Galtner, the Prest., that this is not a new institution, but that in extending life of bank technical error was made, and Banking Commr. advised that new articles be filed.

Ky., Smithland.—The Smithland Bank, capital \$25,000, is incptd. by J. B. Trill, A. M. Robertson, John C. Parsons, N. A. Yancy and N. L. Powell. This is a consolidation of the Smithland Bank and the First State Bank.

La., Shreveport.—Standard Loan Co. incorporated; capital \$5000. Directors: T. L. Hammett, Prest.; C. A. Wilson, V.-P.; C. C. Addison, Secy.-Treas. (Previously mentioned under date of Caddo.)

Mo., Belair.—The Harford National Bank has surrendered its charter as a national bank and taken out a State charter. The bank will hereafter be known as the Harford Bank of Belair.

Mo., Doniphan.—Citizens' Bank of Doniphan, capital \$10,000, is organized with the following directors: W. W. Gary, W. H. Roberson, J. J. Kennon, all of Doniphan; Ezra Adam of Oxy and L. P. Whitwell of Bennett. Officers: L. P. Whitwell, Prest.; W. H. Roberson, V.-P.; Walter W. Gary, Cash.

Mo., Kansas City.—A new bank capitalized at \$500,000 is being organized under the Morris Plan. Temporary headquarters are at the Pioneer Trust Co.

Mo., Trenton.—Trenton Trust Co., capital \$50,000, is organized with J. B. Wright Prest.

N. C., Charlotte.—People's Bank & Trust Co., capital \$100,000, is to be chartered. Business is expected to begin about Nov. 1 with Chas. A. Bland, formerly of Raleigh, as president.

N. C., Greensboro.—Securities Guaranty Corp. is chartered; capital \$125,000; incorporators, D. F. Conrad, Lexington; J. H. Harrison, Greensboro, and W. G. Swanson, Durham.

Okla., Beaver.—First National Bank of Beaver has made application to organize; capital \$27,500; organizers, John W. Savage, J. W. Webb, F. Maple, L. S. Munsell and H. N. Lawson.

Okla., Grandfield.—Home State Bank of Grandfield is chartered. Incorporators: H. F. Clemmer, Loveland; H. W. Kopley, H. K. Smith, Fred Verner and E. M. Kimmell, Grandfield.

S. C., Cheraw.—People's Trust Co. has been granted a commission; capital \$25,000; petitioners, H. M. Duvall, J. C. Terrell and J. H. Wannamaker.

S. C., Columbia.—Safety Building & Loan Co. has been granted a commission; capital \$300,000. Petitioners: Wm. Elliott, W. J. Conway and E. C. McGregor.

Tenn., Harriman.—Farmers' Mutual Insurance Co. is organized with W. T. Gallahar,

Pres.: B. H. Barnard, V.-P.; Jack Crowder, Secy.-Treas.

Tex., Garza.—The Garza Bank has begun business with T. J. Bowles, Cash.

Tex., Howe.—Home Guarantee State Bank is chartered; capital \$10,000; J. L. Sheley, Pres., and R. L. Edwards, Cash.

W. Va., Fairmont.—The National Bank of Fairmont has absorbed the First National Bank of Fairmont; capital \$400,000; surplus, \$600,000; J. E. Watson, Pres.; Glen F. Barnes, Cash.

NEW SECURITIES

Ala., Girard.—\$10,000 floating indebtedness and \$15,000 high-school bonds are voted, and as soon as validated will be offered for sale. Address Mayor Morgan.

Ala., Montgomery.—Bids are to be asked, it is reported, for \$152,000 paving bonds. Address City Commrs.

Ala., Russellville.—\$145,000 Franklin county road bonds are voted. Address County Commrs.

Ark., Crawfordville.—Bids will be received until 11 A. M. Aug. 23 by L. S. Swepston, Secy. Board of Commrs. Crittenden County, for \$400,000 6 per cent. 20-year drainage bonds.

Ark., Fordyce.—\$20,000 6 per cent. 15-year sewer bonds have been purchased by James Gould of Pine Bluff.

Fla., Arcadia.—\$12,500 6 per cent. 15-30-year bonds Popash Special Tax School Dist. No. 4, DeSoto county, have been purchased by J. C. Mayer & Co., Cincinnati.

Fla., Bradentown.—Bonds for following purposes defeated: Water-works, \$10,000; street paving, \$4000; paying off city's obligations, \$21,000.

Fla., DeLand.—Election is to be held in Volusia county to vote on \$250,000 bonds New Smyrna Dist. S. D. Jordan is Clerk County Court.

Fla., Deland.—\$400,000 6 per cent. 30-year Volusia county road and bridge bonds voted in June are soon to be put on the market. An issue of \$350,000 for same purpose was voted July 13. S. D. Jordan is Clerk, County Court.

Fla., Live Oak.—Bids will be received until Sept. 6 by L. S. Albright, Chrmn. Board Public Instruction Suwannee County, for \$70,000 5 per cent. school bonds Special Tax School Dist. No. 1; denomination \$500; maturity 1944.

Fla., Jacksonville.—Bids will be received until 10 A. M. Sept. 11 for \$500,000 5 per cent. 30-year bonds Special Tax School Dist. No. 1, Duval county. Address F. A. Hathaway, Supt., Public Instruction, Room 415, Masonic Temple.

Fla., Leesburg.—Election is to be held Sept. 11 to vote on \$35,000 sewer bonds. Address C. B. Gamble.

Fla., Marianna.—Election is to be called to vote on \$17,000 municipal ice-plant bonds. Address The Mayor.

Fla., Miami.—Bids will be received until 7:30 P. M. Sept. 2 for \$100,000 5½ per cent. funding bonds, dated July 1, 1915, and maturing \$10,000 annually July 1, 1916 to 1925. W. B. Moore is City Clerk.

Fla., Palm Beach.—School Board contemplates offering for sale in near future \$4000 of bonds. H. W. Lewis is Supt. Public Instruction. Report that election was called for Aug. 11 to vote on school bonds Dist. No. 1 is erroneous.

Fla., Palmetto.—Bids will be received until Sept. 15, inclusive, for \$16,000 6 per cent. 30-year \$1000 denomination refunding bonds. A. M. Lamb is Pres. and T. S. Pollard is Clerk. Further particulars will be found in the advertising columns.

Fla., Passagrille.—\$9000 6 per cent. 20-year \$500 denomination light and general improvement bonds were voted Aug. 6; date for opening bids not yet decided. Geo. Lizotte is Mayor.

Fla., Tallahassee.—Election is to be called in Leon county to vote on \$200,000 road bonds. Address County Commrs.

Fla., West Palm Beach.—Election is to be held in Palm Beach county Sept. 14 to vote on \$400 6 per cent. bonds Special Tax School Dist. No. 9; denomination \$250; dated Nov. 1, 1915; maturity 1916 to 1931. J. R. Pomeroy is Chrmn. Board Public Instruction, Palm Beach county.

Ga., Blakely.—Bids will be received until 10:30 A. M. Aug. 21 for \$10,000 \$500 denomination ice-plant bonds. Address W. W. Fleming, City Clerk.

Ga., Elberton.—\$10,000 6 per cent. \$500 denomination electric-light refunding bonds

were purchased Aug. 11 by W. O. Jones, Elberton, at 110; dated July 1, 1915; maturity 1929 to 1935, inclusive. W. F. Jones, City Clerk.

Ga., Elberton.—\$10,000 6 per cent. electric-light refunding bonds have been purchased by W. O. Jones at 110. Address The Mayor.

Ga., Rome.—Election is to be held in Floyd county Sept. 14 to vote on \$225,000 4½ per cent. bridge bonds; dated Oct. 1, 1915, and maturing Jan. 1, 1916 to 1945, inclusive. J. G. Pollock is Chrmn. Board of Commrs. Roads and Revenue.

Ga., Savannah.—Election called in Chatham county to vote on \$400,000 permanent school fund, \$375,000 road to Tybee, \$75,000 home for juveniles and farm building, and \$50,000 courthouse improvement 4½ per cent. 30-year bonds will be held Sept. 21. Oliver T. Bacon is Chrmn. County Commrs.

Ga., Scotland.—Bids will be opened about Sept. 1 for \$5000 5 per cent. \$1000 denomination Scotland School Dist. school-building bonds, voted Aug. 9; dated July 15, 1915; maturity 1925 to 1945, inclusive. J. F. McMillan is Mayor. A. H. Duggan is Clerk, McTae, Ga.

Ga., West Point.—Auditorium bonds have been purchased by First National Bank of West Point for \$10,150. Address The Mayor.

Ga., Waycross.—Election to vote on \$35,000 5 per cent. 30-year bonds in aid of Y. M. C. A. building will be held Sept. 11. Scott T. Beaton is Mayor.

Ky., Georgetown.—Election will probably be held in November to vote on school bonds. J. C. Waller is Supt. of Schools.

La., Alexandria.—Bids will be opened Sept. 10 for \$160,000 Red River, Atchafalaya and Bayou Boeuf levee bonds. Address Board of Commrs.

La., DeRidder.—\$41,000 5 per cent. \$500 denomination sewer bonds are being offered; dated May 1, 1915; maturity May 1, 1916, to May 1, 1935. J. E. McMahon is Pres. Board of Sewerage Commrs. Amount of issue was recently given at \$24,000.

La., Gretna.—\$50,000 5 per cent. water-works bonds will probably be purchased by the Whitney-Central Trust and Savings Bank. Thomas E. Furlow is bond attorney.

La., Hornbeck.—Election held Aug. 17 to vote on \$35,000 bonds of Sabine Parish Road Dist. No. 2. Result not stated. Address Police Jury.

La., New Orleans.—Bids will be received until noon Sept. 13 by T. Wolfe, Secy. Bd. of Liquidation, for \$100,000 5 per cent. 35-year Audubon park bonds.

La., Plaquemine.—\$80,000 Iberville parish road bonds have been purchased at 1 per cent. above par by Eastern parties through the Bank of Whitecastle and the Hibernia Bank & Trust Co. of New Orleans. Address Police Jury.

Miss., Hattiesburg.—Bids are being received by W. F. Jones, Route No. 1, Box 48, for \$5000 5 per cent. 20-year bonds Eatonville Consolidated School Dist., Forest county.

Miss., Macon.—Bids will be received until 2 P. M. Sept. 6 for \$2500 bonds Center Point Consolidated School Dist., Noxubee county. Jno. A. Tyson is Ex-officio Clerk, Board of Suprs.

Miss., Magnolia.—Bids will be received until 2 P. M. Sept. 6 by Board of Supervisors Pike County for \$100,000 6 per cent. 25-year road bonds 4th Supervisors' Dist.; dated Sept. 1, 1915. Chas. E. Brumfield is Clerk. Further particulars will be found in the advertising columns.

Miss., Clinton.—Election is to be called to vote on from \$12,000 to \$15,000 school bonds. Frank Greaves, Easton C. Jones and Prof. M. Latimer, School Trustees.

Mo., Carthage.—\$10,000 4 per cent. Carthage School Dist. bonds have been sold at par as follows: Sinking fund, \$8000; local party, \$2000. Address Board of Trustees.

Mo., Excelsior Springs.—Election is to be held to vote on \$150,000 road bonds. Address Road Commrs.

Mo., Macon.—City is reported to have sold \$30,000 5 per cent. 20-year filtration water bonds. Address The Mayor.

Mo., Maryville.—Election is to be held Aug. 23 to vote on \$35,000 road bonds. Address The Mayor.

Mo., Washington.—\$60,000 5-20-year water-works bonds will be voted on Sept. 8; denomination \$500 and \$1000; interest not to exceed 4½ per cent. P. F. Peltz is Mayor.

N. C., Albemarle.—Bids will be received until 4 P. M. Sept. 6 for \$30,000 5½ per cent. 20-year sewer bonds. Address E. L. Hearne, City Clerk. M. J. Harris is Mayor.

N. C., Asheville.—\$50,000 5 per cent. water

bonds have been purchased by H. T. Holtz & Co., Chicago, at \$50,417 and accrued interest.

N. C., Dobson.—Townships in Surry county have voted 6 per cent. 30-year road bonds as follows: Shoals, \$30,000; Westfield, \$30,000; denomination \$500 and \$1000; date for opening bids not yet decided. In Shoals address M. F. Butler, Pinnacle, N. C., and in Westfield R. K. Simmons, Mt. Airy, N. C. S. G. Brim is County Clerk.

N. C., Dobson.—Election is to be held in Surry county Sept. 15 to vote on \$25,000 30-year Marsh township road bonds. J. B. Sparer is Chrmn. Board County Commrs.

N. C., Franklin.—Election is to be held in Ellajay township, Macon county, Sept. 11 to vote on road-improvement bonds. Elmer Johnson is Clerk Board County Commrs.

N. C., Gastonia.—Bids will be received until noon Sept. 9 for \$100,000 road and \$50,000 funding 5 per cent. \$1000 denomination Gaston county bonds, maturing in 30 years or serially. A. J. Smith is Clerk of Board. Further particulars will be found in the advertising columns.

N. C., Grover.—Election is to be held Sept. 11 to vote on not less than \$5000 or more than \$6000 6 per cent. bonds Grover School Dist. No. 24, Cleveland county. J. J. Lattimore is Clerk to Board of Education.

N. C., Lillington.—Black River township, Harnett county, has voted road bonds. Address County Commrs.

N. C., Rocky Mount.—Bids will be received until 8 P. M. Sept. 16 for \$35,000 5½ per cent. funding bonds. Address L. F. Tillery, Mayor.

N. C., Salisbury.—\$200,000 water plant, sewer, street and school bonds recently voted are 5 per cents; denomination \$1000. Address W. H. Woodson, Mayor.

N. C., Selma.—\$40,000 Selma School Dist., Johnston county, school bonds are voted. J. H. Worley is Secy. School Board.

N. C., Tryon.—\$3000 6 per cent. 20-year school bonds for liquidating indebtedness and making improvements have been purchased by Bumpus & Co., Detroit, Mich., at par and premium of \$46.50.

Okla., Checotah.—\$20,000 city hall, fire station and jail bonds are voted. Address The Mayor.

Okla., Eufaula.—Aug. 20 election is to be held in McIntosh county to vote on \$25,000 road bonds. Address County Commrs.

Okla., Okmulgee.—Election is to be held in Okmulgee county to vote on \$125,000 5 per cent. \$1000 denomination courthouse and jail bonds. C. W. Goree is County Clerk.

Okla., Grove.—Bids received 8 P. M. Aug. 19 for \$10,000 6 per cent. 10-year municipal bonds; award not stated. W. H. Davis is City Clerk.

Okla., Purcell.—Election will probably soon be held in McClain county to vote on \$75,000 bridge bonds. Address County Commrs.

Okla., Sapulpa.—Tiger Township, Creek county, has voted \$75,000 road bonds. Address County Commrs.

Okla., Tulsa.—As soon as approved by Attorney-General \$100,000 sewer, \$100,000 park and \$125,000 city hall 5 per cent. 25-year bonds will be offered for sale. Address E. B. Cline, City Auditor.

S. C., Blythewood.—\$7000 20-year bonds School Dist. No. 21 defeated.

S. C., Charleston.—Election is to be called to vote on \$1,500,000 of bonds for purchase of plant of Charleston Light and Water Co. and \$100,000 for repair and extension of Goose Creek water-works plant. Address The Mayor.

S. C., Columbia.—\$30,000 water and light plant bonds have been purchased at \$37 premium by J. H. Hillsman & Co., Atlanta.

S. C., Orangeburg.—\$30,000 water and light 5 per cent. 20-40-year bonds have been purchased by J. H. Hillsman & Co., Atlanta, Ga., at \$37 premium.

S. C., Sumter.—Election is to be held Sept. 7 to vote on \$225,000 street-improvement bonds. Address The Mayor.

Tenn., Benjamin.—\$50,000 Knox county bridge bonds are voted. Address County Commrs.

Tenn., Blountville.—\$100,000 Sullivan county road bonds have been purchased at a premium by First National Bank of Bristol.

Tenn., Blountville.—\$100,000 Sullivan county highway bonds have been purchased at a premium by the First National Bank of Bristol.

Tenn., Charlotte.—Election called in Dickson county to vote on \$250,000 road bonds. Address County Commrs.

Tenn., Clarksville.—\$50,000 5 per cent. 30-year \$500 denomination Montgomery county highway-improvement bonds were purchased Aug. 12 by J. C. Mayer & Co., Cincinnati, at par and accrued interest, allowing \$307 for necessary expenses. Dated Aug. 1, 1915; maturity Aug. 1, 1945. C. W. Tyler is County Judge.

Tenn., Dyersburg.—\$25,000 5 per cent. street-improvement bonds have been purchased by the Mercantile-Union Trust Co., Jackson, Tenn.

Tenn., Henderson.—\$57,000 water, sewer and light bonds are voted. J. T. Galbreath is Mayor.

Tenn., Lonsdale (P. O. Knoxville).—\$10,000 street-improvement bonds will probably be issued. H. E. Christenberry is Mayor.

Tenn., Memphis.—\$575,000 5 per cent. refunding bonds have been purchased at \$362.50 premium by R. M. Grant & Co., New York.

Tenn., Memphis.—Bids will be received until 2:30 P. M. Sept. 7 for \$986,000 refunding bonds, maturing 1925 to 1949; interest 4½, 4 or 5 per cent. E. H. Crump is Mayor and C. C. Pashby City Clerk.

Tenn., Milan.—\$12,000 5 per cent. 2-15-year electric-light and water-works bonds have been purchased by the Mercantile-Union Trust Co., Jackson.

Tenn., Morristown.—Bids will be received until noon Sept. 11 for \$150,000 5 per cent. 20-30-year \$1000 denomination Hamblen county road bonds. Address W. D. Bushong, Chrmn. Pike Commrs.

Tenn., Newport.—\$200,000 5 per cent. 30-year Cocke county road bonds have been purchased by N. W. Halsey & Co., Chicago; denomination \$1000.

Tenn., North Chattanooga.—Ordinance is being prepared providing for the issuing of \$50,000 30-year sewer bonds. J. Reid Voigt is Mayor.

Tenn., Rogersville.—Bids will be received until 1 P. M. Sept. 6 by H. B. Stamps, Chrmn. County Court Hawkins County, for \$250,000 5 per cent. road bonds; dated Jan. 1, 1916; maturity 1921 to 1951, inclusive; denomination \$1000. Further particulars will be found in the advertising columns.

Tenn., Rutledge.—Election is to be held in Grainger county Sept. 9 to vote on \$30,000 road bonds. Address County Commrs.

Tenn., Smithville.—DeKalb county has voted \$150,000 of bonds in aid of Nashville & Eastern Ry. Address County Commrs.

Tenn., Sweetwater.—\$5000 street-improvement and \$10,000 school-building bonds are voted. Address The Mayor.

Tex., Aransas Pass.—\$500 6 per cent. 5-10-year warrants have been purchased by J. L. Arlitt, Austin, Tex. Jesse J. Todd is Mayor.

Tex., Austin.—The Attorney-General has approved the following securities: \$10,000 5 per cent. 10-40-year Montcalm public school bonds; \$1900 5 per cent. 5-40-year bonds San Saba county; \$2000 5 per cent. 20-year bonds Tom Green Common School Dist. No. 26; \$200,000 5 per cent. 40-year Collin County Road Dist. No. 8 bonds; \$140,000 5 per cent. bonds Harris County Dist. No. 7; \$1399 6 per cent. Freestone county bridge-repair bonds.

Tex., Bryan.—\$400,000 Brazos county road bonds have been purchased by E. D. Schumaker of the Colonial Trust Co. of Hillsboro, representing an Eastern firm, at par and accrued interest.

Tex., Dallas.—\$135,000 Dallas county viaduct bonds, recently voted, are 10-40-year 5 per cents. Address County Commrs.

Tex., Dallas.—\$250,000 of sewer bonds, being balance of a \$550,000 issue voted in 1910, will be placed on the market about Nov. 1, 1915. Manning B. Shannon is Commr. of Finance and Revenue.

Tex., Denison.—Election is to be held Sept. 9 for \$50,000 5 per cent. 20-year \$500 denomination viaduct bonds. C. T. McElvany is Mayor.

Tex., Fort Stockton.—Election is to be held in Pecos county to vote on \$35,000 high-school bonds. Address County Commrs.

Tex., Liberty.—Election is to be held Sept. 22 to vote on \$200,000 Cleveland precinct, Liberty county, road bonds. Address County Commrs.

Tex., Llano.—Election is to be held in Llano county Aug. 24 to vote on \$20,000 bridge bonds. Address County Commrs.

[For Additional Financial News, See Page 68.]

Merchants-Mechanics National Bank

South and Water Sts., BALTIMORE, MD.
DOUGLAS H. THOMAS, President.
JNO. B. RAMSAY, V.-P. and Chm. Bd. of Dir.
JOHN D. H. DUNN, Cashier.
Capital \$2,000,000. Deposits \$21,070,000
Surplus and Profits \$2,175,000.
Accounts of Banks, Bankers, Corporations and Individuals solicited.
We invite correspondence.

Edwin Warfield, President.

Fidelity and Deposit Company of Maryland

Home Office: Baltimore

Total Assets over \$11,000,000.00.

All Kinds and Classes of Surety Bonds and Casualty Insurance.

Largest and Strongest Surety and Casualty Company in the World.

First National Bank

RICHMOND, VIRGINIA

Capital and Surplus - - - - - \$3,000,000
JNO. B. PURCELL, President.
JNO. M. MILLER, JR., Vice-Pres.
W. M. ADDISON, Cashier.

JOHN NUVEEN & CO.

First National Bank Building, CHICAGO

We purchase SCHOOL, COUNTY and MUNICIPAL BONDS. Southern Municipal Bonds a Specialty.

Write us if you have bonds for sale.

Delaware Trust Company

WILMINGTON, DELAWARE

INCORPORATING under broad, liberal, safe and stable Delaware laws. A fully equipped department for proper organization and registration of corporations.

BANKING AND TRUST department gives special attention to out-of-town customers' accounts.

TITLE DEPARTMENT examines and guarantees title to realty throughout Delaware.

REALTY DEPARTMENT has sites for manufacturing industries. Modern methods of management of property.

J. ERNEST SMITH, Pres. and Gen. Counsel.
WM. G. TAYLOR, Vice-Pres. and Treasurer.
HARRY W. DAVIS, Vice-Pres. and Secretary.
W. W. FUSEY, 2d Title and Real Estate Officer.

The National Exchange Bank

OF BALTIMORE, MD.

Hopkins Place, German and Liberty Sts.

Capital, \$1,500,000.

March 30, 1915, Surplus and Profits,

\$850,000.00.

OFFICERS.

WALDO NEWCOMER, President.
SUMMERFIELD BALDWIN, Vice-Pres.
R. VINTON LANSDALE, Cashier.
C. G. MORGAN, Asst. Cashier.
Accounts of Mercantile Firms, Corporations, Banks, Bankers and Individuals invited.

The First National Bank

OF KEY WEST, FLA.

United States Depository and Disbursing Agent.

Capital - - - - - \$100,000

Surplus and Undivided Profits - 40,000

A general banking business transacted.

Special attention given to collections.

POWELL, GARARD & CO.

39 S. La Salle Street

CHICAGO, ILL.

We buy Southern Municipal Bonds (County, City, School, Road and Drainage District).

We Buy Bonds

City, County, School and Road, from Municipalities and Contractors

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THE PROVIDENT SAVINGS BANK & TRUST CO.
CINCINNATI OHIO

Financial Statements Prepared.

ALLAN GORDON ARMSTRONG

Public Accountant

Suite 649-650-651 New Monroe Building

NORFOLK, VIRGINIA

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BIGELOW & CO.

25 Pine St. NEW YORK

Specialists in Southern Cotton Mill Stocks

Banks and Bankers

Write us now for our special offer on

Pocket Check Books

We are making a wonderful proposition, and our salesmen cannot reach all of you.

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BANK STATIONERS BALTIMORE, MD.

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Blank Book Making, Book Binding
Letter Heads, Office Supplies
Steel Die Work

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Electric Light, Power and Street Railway Enterprises
With Records of Established Earnings

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(Paid-up Capital and Surplus, \$14,500,000)

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COMMISSION MERCHANTS

NEW YORK

PHILADELPHIA

CHICAGO

87-89 Leonard Street

120 Chestnut Street

206 South Market Street

We Buy

City, County School and Drainage

BONDS

FROM MUNICIPALITIES OR CONTRACTORS

We are in position to pay HIGHEST PRICES.

Write or Wire Us Your Offerings

THE NEW FIRST NATIONAL BANK Assets, \$5,000,000 COLUMBUS, O.

BLACK & COMPANY

(WILMER BLACK, C. P. A.)

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All Work under Personal Supervision of Maryland Certified Public Accountant

Suite 1208 Garrett Building BALTIMORE, MD.

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who reads and needs it, is the possible worth of the book we send for 6c. postage. Write us at once.

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Dept. 5

Washington, D. C.

CHESTER H. BUCK

Auditor Expert Accountant CHATTANOOGA, TENN.

Financial Statements Prepared. Business Systems established for new concerns and Old Systems revised and improved. Certified and Sworn Statements Prepared.

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FOR SALE Timber, Coal, Iron, Ranch and Other Properties, Southern States, West Indies, Mexico. GEO. B. EDWARDS, (Broker) Tribune Building, NEW YORK, N. Y. Confidential Negotiations. Investigations, Settlements. Purchases of Property.

To Manufacturers and Capitalists

Contemplating the Establishment of Industrial Enterprises

Attention is called to the exceptionally favorable location of

NEWPORT NEWS, VA.

on Hampton Roads, fifteen miles from the sea. deep water, railway and sea transportation facilities unrivalled. Climate salubrious. Apply to

W. B. LIVEZEY, President

OLD DOMINION LAND COMPANY NEWPORT NEWS, VA.

The Mecklenburg Iron Works

Will be glad to answer all correspondence from parties who need or expect to need

Machinery for Handling GOLD, IRON or COTTON

as they have been manufacturing such machinery for thirty years, and can give entire satisfaction. Their address is

M. I. W.

Charlotte, N. C.

M. I. W.

Temporary Financing of States, Cities and Counties Pending Issuance of Bonds

ALSO ENTIRE ISSUES OF BONDS PURCHASED

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Established 1884

Resources Sixteen Millions

MERCANTILE TRUST AND DEPOSIT COMPANY OF BALTIMORE

A. H. S. POST, President

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for both large and small investors will be given those who write for our Circular No. AG-143.

A. B. Leach & Co.

Investment Securities

149 Broadway, New York

Chicago Philadelphia Buffalo Boston Baltimore London

CONTRACTORS ONLY

We pay high prices for Bonds and Warrants issued by Counties, Cities and Districts for building Court Houses, Water Works, Schools, Sewers and other public works.

If you receive in payment for construction work—high-grade securities of the above type—it will be of value to you to communicate with us.

Having handled municipal bonds for over thirty years—our services should be profitable to you.

Write us if you have municipal bonds or warrants to market.

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CERTIFIED PUBLIC ACCOUNTANTS

30 Broad Street, NEW YORK

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DENVER

CLEVELAND
SAN FRANCISCO

CHICAGO
LONDON, E. C.

Cable Address "HASKSELLS"

Announce the Opening of an Office at
ATLANTA—Mr. L. C. Matthews, Manager

And an Office at
DENVER—Mr. C. H. Banks, Manager

Tex., Lubbock.—Election is to be held in Lubbock county Sept. 13 to vote on \$100,000 courthouse bonds. Address County Commrs. Tex., Manchaca.—Manchaca School Dist. has voted bonds. Address Board of Trustees.

Tex., Mart.—\$21,000 water-works bonds are voted. Address The Mayor.

Tex., Mexia.—\$24,250 5 per cent. 10-40-year Mexia Independent School Dist. refunding bonds are voted. T. T. Smith is Mayor.

Tex., Nacogdoches.—\$45,000 Nacogdoches School Dist. bonds are voted. Address Board of Trustees.

Tex., Nocona.—\$3500 5 per cent. 20-40-year \$500 denomination water-works bonds, dated Sept. 1, 1914, are being offered. Address J. L. Biter, Mayor.

Tex., Port Lavaca.—Bids will be opened Sept. 1 for \$17,500 5 per cent. 5-40-year \$500 denomination street-improvement bonds; dated Aug. 2, 1915. H. C. Innis is Mayor.

Tex., Rio Grande City.—No satisfactory bids were received Aug. 1 for \$9200 5 per cent. bonds Common School Dist. No. 4, Starr county, and bonds are still for sale. Sam P. Vale is Supt. Public Instruction Starr County.

Tex., Santa Anna.—\$6000 sewer bonds recently voted are 30-year 5 per cents. W. F. Holland is Mayor.

Tex., Tahoka.—\$60,000 Lynn county courthouse and jail bonds were recently voted. Address County Commrs. (Previously mentioned.)

Tex., Waco.—Election is to be held on Sept. 4 to vote on \$2000 Cadenhead School Dist. No. 12, McLennan county, bonds. Address County Commrs.

Tex., Woodville.—Election to vote on \$100,000 road bonds Dist. No. 1, Tyler county, will be held Aug. 28. Address County Commrs.

Va., Accomac.—Bids will be received until 10 A. M. Sept. 7 by John D. Grant, Jr., Clerk Board of Suprvs. Accomac County, for \$30,000 5-30-year bonds for road improvement in Atlantic, Lee and Pungoteague Magisterial Dist., Accomac county; denomination \$100. Further particulars will be found in the advertising columns.

Va., Crewe.—Election is to be held to vote on bonds for sewers and water system. J. K. Ord is Mayor and E. C. Bradshaw Chrmn. Board Public Works Committee.

Va., Front Royal.—\$20,000 of an issue of \$40,000 5 per cent. 30-year \$500 denomination Warren county road-improvement bonds have been purchased at par by G. L. Wuthen. M. A. Trout is County Clerk.

Va., Lovington.—Bids will be received until noon Sept. 1 by E. L. Kidd, Clerk Commrs. Nelson County, for \$35,000 5 per cent. 5-30-year bonds Lovington Magisterial Dist. road-improvement bonds, dated Oct. 1, 1915; denomination \$1000.

Va., Roanoke.—Bids will be received until noon Aug. 26 for \$150,000 4½ per cent. 30-year public-building bonds. Denomination \$1000. Dated May 1, 1914; maturity, 1944. Address Finance Com. City Council, E. R. Check, Chrmn. P. H. Tucker is City Clerk.

Va., South Boston.—Bids will be received until Sept. 1 for \$125,000 5½ per cent. 34-year water, sewer and street bonds. Henry Easley and John C. Lawson, Finance Committee. Further particulars will be found in the advertising columns.

W. Va., Broad Oaks (P. O. Clarksburg).—\$22,500 6 per cent. 1-10-year \$500 denomination paving bonds have been purchased by the Clarksburg Trust Co., Clarksburg, at \$22,528.13.

W. Va., Matewan.—\$12,000 6 per cent. improvement bonds have been purchased at 101 and interest by Hoejler, Cummings & Prudden of Toledo.

W. Va., Kingwood.—\$25,000 5 per cent. 10-20-year bonds Valley School Dist., Preston county, have been purchased at par by Well, Roth & Co., Cincinnati.

W. Va., Keyser.—\$35,000 6 per cent. 10-34-year school bonds are voted. Dated July,

1915; maturing 1949. Chas. N. Fennell is Pres., Bd. of Education.

W. Va., Philippi.—Bids will be received until noon Aug. 30 by John Hewitt, Clerk, for \$20,000 6 per cent. 20-year \$100 denomination improvement bonds.

well-known manufacturer of steel structures in the South and Southwest, and its new offices in Denver will enable it to handle more conveniently and intensively the structural steel business in that territory.

Acquires Engineering Business.

Morris Knowles, consulting engineer, Pittsburgh, has acquired the engineering business formerly conducted from offices in Pittsburgh, and Canton, O., by L. E. Chapin, deceased. Mr. Knowles, who was previously associated with Mr. Chapin, will conduct the combined practice from his office, 501 Oliver Bldg., Pittsburgh, continuing to specialize in water-works, water-power, sewerage, sewage treatment and disposal, sanitary investigation, town planning, flood prevention and valuation work.

TRADE LITERATURE

Recommends City Manager Form of Government.

The Chamber of Commerce of Norfolk, Va., has issued an interesting pamphlet containing the report of the special charter investigating committee, of which H. H. Rumble is the chairman. For some time the Chamber of Commerce has advocated a simplified and businesslike form of government for the city of Norfolk, and so after one year's investigation of commission form of governments in other cities the charter committee appointed for that purpose decided to recommend the city manager form of government, and has put its conclusions in pamphlet form.

Parker Expansion Bolts.

Two folders recently issued by the Parker Supply Co., 517-23 West 45th street, New York, illustrate and describe its line of screw anchors, double and single expansion bolts, lag screws, brick and stone drills, extension drillheads, etc. Parker expansion bolts are made of high-grade malleable iron, and each half of the shield is constructed with a row of projections for preventing the

[Continued on Page 72.]

PROPOSALS.

\$100,000 Funding Bonds

Sealed proposals will be received by the City Council of the City of Miami, Florida, at the City Council Chambers until 7:30 P. M. September 2, 1915, for the purchase of all or any part of the following bonds of said city, dated July 1, 1915, interest five and one-half per cent. per annum, payable semi-annually January 1 and July 1, principal and interest payable in gold in New York City, denomination \$1000:

\$100,000 Funding Bonds, maturing \$10,000 annually July 1, 1916 to 1925. Legality of bonds will be approved by Caldwell, Masslich & Reed, New York City, whose favorable opinion will be furnished to purchasers without charge. The bonds will be prepared under the supervision of the United States Mortgage and Trust Company, New York City, who will certify as to the genuineness of the signature of the city officials signing the bonds and the seal impressed thereon. Bids must be on blank forms which, together with other information, will be furnished by the undersigned of said Trust Company. Each bid must be accompanied by a certified check to the order of the undersigned for 2½ per cent. of the amount bid for. No bid of less than ninety-eight cents on the dollar and accrued interest will be entertained. Bonds will be delivered in Miami or New York at purchaser's option on September 16. The right to reject any or all bids is reserved. All of above bonds are by law declared general, absolute and direct obligations of the city, which law requires an annual general tax levy without limit sufficient for principal and interest. By resolution of the Council, such tax levy has been provided for.

W. B. MOORE, City Clerk.
Miami, Florida.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers or subscribers or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Change in Office Address.

General offices of the Eagle Pipe Supply Co., Inc., of New York have been removed from 45 Broadway to the Hudson Terminal Bldg., 30 Church St. This concern handles new and second-hand pipe suitable for all practical purposes.

Wants to Represent Manufacturers.

Chester Herbert Buck, expert accountant, Chattanooga, Tenn., writes to the Manufacturers Record that he would like to communicate with office equipment and supply manufacturers or manufacturers of other lines with regards to acting as local sales agent.

Opens Electrical Contracting Office.

R. L. Dearborn, electrical engineer, has opened offices at 330 S. Tryon St., Charlotte, N. C., to do a general electrical business. He is interested in getting in touch with dealers and manufacturers of electrical equipment and supplies, and will appreciate receiving catalogues and samples of such products.

Milling Machinery Contracts.

Nordyke & Marnon Co. of Indianapolis, Ind., announces the receipt of an order from the Updike Milling Co., Omaha, Neb., for a self-balancing square sifter equipment. It was stated that this is a repeat order. Also this company advises the receipt of an order for a gradual reduction meal plant of 30 bushels hourly capacity, with feed outfit in addition, for the Clendenin Milling Co., Clendenin, W. Va.

Opens Branch Office.

In order to more thoroughly handle the business developed in the Baltimore territory, the Allis-Chalmers Company of Milwaukee, Wis., has opened a branch office at 1429 Munsey Bldg., Baltimore, in charge of O. H. Bodemer. It is said this office is to be run in conjunction with the J. C. M. Lucas Company, 1423 Munsey Bldg., which has long represented the Allis-Chalmers Company in this section.

Machinery and Contractors' Equipment Agency.

Henry G. Williams, who has long been identified with the machinery trade in the South, has established a machinery and contractors' equipment agency in the Third National Bank Bldg., Atlanta, Ga. He is representing in the Atlanta territory Koehring concrete mixers, manufactured by the Koehring Machine Co., Milwaukee, Wis.; glass products of the Wheeling Mold & Foundry Co., Wheeling, W. Va., and concrete chutes and appliances manufactured by the J. S. Wylie Company, Chicago. Mr. Williams informs the Manufacturers Record that he is seeking one more account along similar lines

that will be in keeping with the high-grade and representative products already represented.

Electric Franchise for Sale.

Thirty-year electric-light and power franchise of the city of Hickory, N. C., will be awarded October 12, 1915, to the highest bidder offering to pay to the city during the life of the franchise the highest percentage of the gross annual receipts. The franchise embraces the right to use the streets of the city for the purpose of operating electric light, power, fuel and heat plants for thirty years. Details regarding the sale may be obtained by addressing the City Manager, S. C. Carnwell, Hickory, N. C.

Zelnicker Buys Bintliff Supply Co.'s Stock.

Good will and stock of the Bintliff Supply Co., consisting of railroad, mill and factory equipment and supplies, have been purchased by the Walter A. Zelnicker Supply Co. of St. Louis. The Zelnicker company reports it is selling this stock under market price, which is of advantage to anyone needing such materials, and particularly Jim Crow rail benders and track drills. Former customers of the Bintliff company are also assured by the Zelnicker Supply Co. that their orders will be prepared and handled promptly and efficiently.

Machine Shop and Foundry for Sale.

Having discontinued the contracting business and desiring to liquidate its holdings, the Lane Bros. Co., Altavista, Va., is offering for sale its machine shop and foundry, situate on the main line of the Southern sales and show room and installed there are constructed of concrete blocks and metal roofs, making them practically fireproof, were erected in 1907 on an eleven-acre tract of land and are equipped for use in repairing contractors' equipment, such as steam shovels, locomotives, cars, etc. The shop is equipped with a full steam plant, which is not now in operation, electric power from the local plant being used.

Virginia Bridge Co. Opens Office in Denver.

The Virginia Bridge & Iron Co., general offices, Roanoke, Va., with plants and offices throughout the South and Southwest, announces the opening of an office in the First National Bank Bldg., Denver, Col. Territory embraced in the States of Kansas, Colorado, Arizona, New Mexico and Utah will be covered from the Denver office, which will be in charge of A. R. Peyton, who has been associated with the company for some years as contracting engineer. It is pleasing to note this expansive move on the part of the Virginia Bridge Co., particularly at this time. The Virginia Bridge & Iron Co. is a

Labor Shortage

OFFSET WITH

RED CROSS DYNAMITE



Stumps Blasted Out.



Same Field 10 Months Later.



Blasting Mud Out of Millpond.



First Story Built of Blasted Boulders.



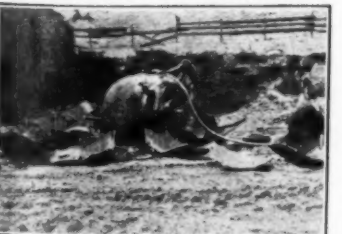
Blasting 100 Feet of Ditch.



After the Blast.



Blasting Old Covered Bridge.



Scrapping Boilers by Blasting.

NCESSITY forces the adoption of new methods. And no need is so pressing as the need of men to do the world's work when the supply is short. That condition exists today and will grow progressively worse. Not alone do war conditions demand enormous levies of the male population of belligerent countries for service at the front. A peace army of mechanics and laborers, almost as great as the fighting unit, is also required to run each nation's machinery and maintain its home operations.

A large proportion of the manufacturing plants of this country in many lines are working on commodities for the warring nations—not only military equipment but goods of all kinds which the belligerents are unable to make owing to the scarcity of labor.

The resulting exceptional demand for men in this country has been augmented by the exporting of many skilled mechanics to England. Our farms, being worked to the last square foot of soil to supply the world's need for food, will be seriously handicapped this fall for harvest hands. All of which points to the immediate need of substitutes for labor.

Last year farmers bought approximately 25,000,000 pounds of dynamite, and their purchases increase yearly.

In what other lines can Red Cross Dynamite serve as a practical substitute for labor?

Here are a few:

Clearing land of stumps and boulders.

Draining swamps and wet spots.

Loosening subsoils for tree planting to lower costs, prevent tree losses and hasten fruition.

Breaking hard subsoil to increase yields of all crops.

Excavating cellars, ponds and reservoirs.

Cleaning the mud out of old ponds and streams.

Loosening old roadbeds for grading with horse shovels or steam shovels.

Blasting holes for telegraph and telephone lines and fence posts.

Straightening streams by blasting new channels.

Wrecking old buildings, bridge piers and stone walls.

Scrapping boilers, machinery, steel buildings and bridges.

Blowing down clay in brick yards.

Breaking up frozen ore on ground or in open cars.

Loosening ground for sewer excavations, thereby saving half the labor. This can be done without danger to the public or to underground pipes. Ask us how.

These are but a few of the more common classes of work that can be done with Red Cross Dynamite cheaper and quicker than by labor alone.

It is low freezing, hence works well in cold weather.

Let every farmer, civil, railroad or municipal engineer or contractor who is worried over the labor problem consider what parts of the work can be done with Red Cross Dynamite.

If in doubt, ask us.

If you suspect we can help you, give us the opportunity. Write for name of nearest dealer and blaster and Free Farmers' Handbook No. 125.

E. I. du Pont de Nemours Powder Company

ESTABLISHED 1802—PIONEER POWDER MAKER OF AMERICA
WORLD'S LARGEST MANUFACTURER OF EXPLOSIVES

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Architect

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Member A. S. M. E.

Textile Mills

WATER POWER DEVELOPMENTS

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ENGINEERS

Star Building

WASHINGTON, D. C.

C. W. REQUARTH CO.

CONCRETE

Engineering Construction

Reinforced Concrete Bridges, Heavy Foundations and Retaining Walls, Fire and Waterproof Structures, Concrete Sewers and Conduits.

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DANIEL B. LUTEN

Designing and Consulting Engineer

Reinforced Concrete Bridges exclusively. Associates Engineers in each State.

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Contracting Engineers

Bridges, Dams and Power Houses. Difficult Foundation Work.

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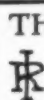
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[Continued from Page 68.]

bolt from turning in the hole. Tables and price-lists of the different types of bolts and other products manufactured are also given in the folders.

About Farm Mortgages.

Agricultural possibilities of the South, and of Georgia in particular, are brought out in the attractively illustrated pamphlet on "Georgia Farm Mortgages," issued by the Georgia Land & Securities Co. of Savannah. The pamphlet is being distributed by the company in order to bring before the public the character and scope of its operations.

Columbus Lift-Trucks.

A new type of four-wheeled industrial truck for use in stores, warehouses and shipping terminals has been developed by the Columbus Lift-Truck Co., Columbus, O., and is illustrated and described in a circular recently issued. The truck is made in three sizes, with capacities from 1000 to 2500 pounds. Ball bearings are used in the wheels and the load is said to be easily lifted with the extension handle lever.

Industrial Reference Book.

A comprehensive directory of the industries of Baltimore, including products, has been compiled by E. V. Illmer, P. O. Box 534, Baltimore. The directory presents in compact and convenient form a list of the articles of commerce produced by Baltimore manufacturers. Mr. Illmer intends to make this book a permanent publication, embodying every phase of Baltimore's diversified manufactures, and to this end the co-operation of all manufacturers is sought.

Iron Railings, Gates and Fencing.

Wrought-iron railings, entrance gates and wire fencing manufactured by the J. W. Fliske Iron Works, 78-80 Park place, New York, are illustrated and described in its comprehensive catalogue just issued. Among the products listed are woven-wire fencing, woven-steel chain link fencing, tennis court enclosures and backstops, wrought-iron arbors, plain and ornamental wrought-iron railings, wrought-iron gates for private residences and industrial applications, farm fencing, street-sign plates and posts, ornamental lamp standards and brackets, fountains, lawn and cemetery vases, bronze tablets, etc.

Explosives in Agriculture.

Advantages of the use of explosives for various purposes on the farm, including instructions in the use of high explosives for clearing land, planting and cultivating trees, drainage, ditching and subsoiling are given in a revised edition of the "Farmers' Handbook" issued by the E. I. du Pont de Nemours Powder Co. of Wilmington, Del. This last edition is said to be improved by simplifying the instructions and illustrating with many new photographs and diagrams the methods discussed. Farmers who are seeking to increase cultivated acreage and secure maximum production per acre will be particularly interested in the handbook, which will be sent free to anyone asking for it.

Lubrication of Pneumatic Tools.

Bulletin No. 130, issued by the Chicago Pneumatic Tool Co., Fisher Bldg., Chicago, emphasizes the importance of lubrication and explains the proper method of lubricating pneumatic tools. In this bulletin "Airoilene" oil and "Airoilene" grease is recommended for "Little Giant" drills as manufactured by the company. The grease may be forced into the crank cases of the drills through the dead air handle by means of a squirt gun or syringe or by the use of the "Little Giant" grease machine developed for that purpose. Also illustrated and described in the bulletin are the Chicago automatic oilers, which have been especially designed for use in connection with all classes of pneumatic hammers, rock drills, Boyer & Keller piston and rotary drills.

New Quarters for the Columbia Sanitary Manufacturing Co.

The Columbia Sanitary Manufacturing Co., Louisville, Ky., is in a sense associated with the Laib Company, dealers in mill, factory and plumbing supplies. Following the fire which the latter sustained something more than a year ago, the Laib Company abandoned a downtown location except for a city sales and showroom and installed themselves for office and warehouse on 18th St., occupying the entire block between Magnolia and Burnett streets, a length of 529 feet, with a depth of 75 feet. Here on one floor are combined the executive, administrative

and mechanical departments with private lockers, lavatories and shower baths. The warehouse is equipped with cars and industrial track of the Chase Foundry & Manufacturing Co., Columbus, O., the track leading from storage bins and stockrooms to the doors facing the switch track that runs beside the rear of the building. At one end of the warehouse is the machine shop. On a lot adjoining is the foundry of the Columbia Company, where at present soil pipe and fittings are being cast, and next to it is the building containing the ovens for enameling work. As soon as the foundry can be equipped a standard line of bathtubs, toilet and lavatory supplies will be manufactured. The location of both concerns is ideal for shipping purposes, and the Columbia company becomes an important addition to Louisville's manufacturing concerns.

Latest General Electric Publications.

Street-lighting fixtures, high-voltage railway motors, electrostatic voltmeters, railway sub-station equipments and a new type of oil switch are among the products which are described separately in new bulletins issued by the General Electric Co. of Schenectady, N. Y. The Mazda lamp brackets and center-span fixtures for street-lighting purposes are described and illustrated in pamphlet Y-679, issued by the company. Series brackets and fixtures, multiple brackets and fixtures, railway brackets, reflectors and fittings, sockets and receptacles are among the products listed in the pamphlet. Bulletin No. 4407 covers the GE225-B-600-126 volt ventilated commutating pole railway motor especially adapted for high-speed interurban service. The motor is built on substantial mechanical lines, and in details and design of construction follows the practice of the General Electric Co. in building railway motors. The bulletin gives a complete description of the construction details and shows some characteristic operation curves. Bulletin No. 46110 illustrates and describes General Electric electrostatic voltmeters, the main use of which is in connection with voltages ranging from 3 to 5 kilovolts. The instruments are intended primarily for laboratory use, and are manufactured in two types—the "Vano" type for 3, 5 and 10 kilovolts and the "Pan" type for higher voltages up to 50,000 volts. An analysis of the equipments for various forms of up-to-date sub-stations, together with specifications for suitable apparatus for different voltages, are given in Bulletin No. 44090. Details of the apparatus required are given for permanent indoor and outdoor sub-stations, and as well for portable sub-stations. This bulletin should be of particular interest to the practical railway operator, for the reason that, in addition to the profuse illustrations of typical installations, supplemented by detailed views of sub-station apparatus and complete tables of ratings and dimensions, it contains a comprehensive set of railway switchboard wiring diagrams. Type F, Form K-20, oil switches up to 2500 volts are described in Bulletin No. 47406. These switches are built in three capacities: Non-automatic and automatic, for use on two, three and four-wire systems, and for current up to 300 amperes. They are especially adapted for textile, flour and powder mills, woodworking plants, gas works, coal mines and the pumping and refining of oil, and other industries where inflammable materials or explosive gases are present.

Mississippi Lumber Industry.

Hardwood lumber and farming industries of Mississippi as shown in moving-pictures at the Panama-Pacific Exposition are described in a booklet issued by the Lamb-Fish Lumber Co. of Charleston, Miss. Complete lumber operations from the time the timber is cut in the virgin hardwood forests of the alluvial valley of the Mississippi River to the manufacture and shipment of the finished product are described and illustrated. The Lamb-Fish Company, which is said to operate the largest hardwood mill in the world, owns a tract of 74,000 acres. Records do not indicate that there is to be found anywhere else in the Yazoo Delta any single tract as large as this, or as well located. Inasmuch as the soil is well adapted for farming purposes, and acreage too valuable to permit of forest conservation, commercial requirements have made necessary the removal of the timber. The company has already cut over properties aggregating 28,000 acres, but the cream of its holdings has been kept intact until the last few months. Believing that in years to come future generations of Mississippians would be unable to conceive how their State appeared in former days, or the manner in which lumber is manufactured at the present time, this company, for the benefit of posterity, has covered every phase of the

hardwood industry with moving-pictures. For those who were not fortunate enough to see the movies this booklet was prepared.

Industrial Sites Along the C. & O.

With the object of setting forth, in a concise yet comprehensive manner the extent and variety of available resources and industrial opportunities along its lines, which await only capital, enterprise and labor to make them productive, the Industrial Department of the Chesapeake & Ohio Railway Co., Richmond, Va., has published an attractive and well illustrated catalogue of 130 pages. In summing up the possibilities of the region which it covers, the company says in the preface: "The South is badly in need of more factories, more distributing houses and more capital. The demand for manufactured products far exceeds the capacity of Southern factories, and millions of dollars of Southern money is today being spent in the North for goods which could be manufactured nearer home. It is literally true that factories and branch houses located at points along the Chesapeake & Ohio Railway can distribute merchandise all over the South cheaper than can the manufacturer located in the North and West, off the direct line of this road. In fact, if you are looking for something better—an opportunity to make money—you will find that opportunity here, and it is a pioneer opportunity minus pioneer privations. The position of this railway, extending as it does from the sea, with its shipping facilities, to Chicago and Louisville, across the richest

portions of five States and within easy reach of the great Northern markets, as well as those of the rapidly growing South and West, lends it strategic advantages which cannot be overlooked."

Publications of Interest to Steel Industry.

Many of the papers read before the eighth general meeting of the American Iron and Steel Institute, held in New York the latter part of May, have been published in pamphlet form. Among those now being distributed are: "Merchant Rolling Mills," by Jerome R. George, chief engineer, Morgan Construction Co., Worcester, Mass.; "Recent Progress in Corrosion Resistance," by Daniel M. Buch, metallurgical engineer, American Sheet and Tin Plate Co., Pittsburgh, Pa., with discussions by Allerton S. Cushman, president, Institute of Industrial Research, Washington, D. C.; James O. Handy, director of chemical laboratories, Pittsburgh Testing Laboratory, Pittsburgh, Pa.; William H. Walker, professor of chemical engineering, Massachusetts Institute of Technology, Boston, Mass.; John S. Unger, manager, Central Research Bureau, Carnegie Steel Co., Duquesne, Pa., and George H. Charls, vice-president, American Rolling Mill Co., Middletown, O., and "The Commercial Production of Sound and Homogeneous Steel," by Edward F. Kenney, metallurgical engineer, Cambria Steel Co., Johnstown, Pa., with a discussion by Henry M. Rowe, emeritus professor of metallurgy, Columbia University, New York.

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Classified Opportunities

MINERAL AND TIMBER LANDS WATER POWERS MISCELLANEOUS PROPERTIES

FOR SALE ON REASONABLE TERMS.

25,000 acres, Escambia county, Alabama, especially adapted for colonizing.

24,000 acres coal and timber lands, located west of Birmingham, Alabama.

14,000 acres, located Southern Alabama, especially desirable for agricultural purposes or colonizing.

10,000 acres, located north Baldwin county, Alabama, especially adapted for a ranch.

5,000 acres, especially desirable for citrus fruit growing, including a townsite located just across the bay from Mobile.

5,000 acres of hardwood timber, located on the Alabama River not far from Mobile.

500 acres, suitable for factory sites and subdividing, in Mobile.

100,000,000 feet of hardwood timber, located in Central Alabama.

30,000,000 feet long-leaf yellow pine, Southern Alabama.

I own and control all of the above-described properties, and I also act as a broker, so that I am in a position to meet most any requirements in Southern acreage property. Address H. H. Wefel, Jr., Mobile, Ala.

VALUABLE MINERAL, TIMBER AND GRAZING LANDS of the Hurricane Iron & Mining Co. for sale at a bargain. This property consists of about 16,000 acres in Hickman county, Tennessee, bounded by Duck River and the Perry county line. There are about 6000 acres of the best grazing lands, and while no investigation has ever been made for underground values, this property shows numerous outcroppings of phosphate, valuable clays, iron ore and other minerals. In 1906 the merchantable timber, 14 inches and over, on the property was sold for \$85,000. It now contains much valuable timber of various kinds, crossties, poles, etc. Price \$60,000. Favorable terms. For full information and engineers' detailed report address Jno. W. Fry, Columbia, Tenn.

ATTENTION—MINERAL LANDS.—Zinc, lead and coal acreage; location, coal, 60,000. Southern Illinois; zinc and lead, Missouri and Arkansas, 4000 acres; can show you ledges of the real product; located near R. R. Have the above propositions from first party. Takes money to talk; no hot air. Very cheap. S. J. Burditt, Moweaqua, Ill.

FOR MANGANESE PROPERTY address G. E. Harrison, 506-7 First National Bank Building, Birmingham, Ala.

HAVE YOU A VALUABLE PROPERTY FOR SALE? Farm, timber land, mineral property or any other? We can help you get in touch with possible purchasers by an advertisement in these columns. For rates see head of this department.

COAL MINE

FOR LEASE.—Royalty basis. Two coal mines on Coal & Coke Railway, Braxton Co., W. Va. Pittsburgh seam of fine quality, 5 to 8 feet thick. Ready for operation. Address 1816, care Manufacturers Record, Balto., Md.

FOR SALE.—A coal property in West Virginia, operating the Eagle and Island Creek seams, containing 9,000,000 tons; present annual capacity, 200,000 tons. Address A. C. B., 608 Century Bldg., St. Louis, Mo.

ZINC AND LEAD LANDS

FULLY EQUIPPED AND DEVELOPED ZINC MINES. North Arkansas field, now paying \$4000 monthly for fine quality, 5 to 8 feet thick. Ready for operation. Address 1816, care Manufacturers Record, Balto., Md.

RICH ZINC AND LEAD LANDS FOR SALE in Boone, Marion, Newton counties, Arkansas, and Taney county, Missouri; 3584 acres selected 15 years ago in the richest mineral belt by competent prospector and experienced zinc miner. Address C. M. Fenton, Zinc, Arkansas.

TIMBER

REAL TIMBER BARGAIN.—50,000,000 ft.; 70% N. C. pine, poplar and cypress, all original growth; on Southern R. R. in South Carolina. Liberal terms and low price. J. P. Mulherin (owner), Augusta, Ga.

FOR SALE.—15,000 acres virgin hardwood timber on transportation. Estimated 80 million feet, principally oak. \$11 an acre in fee simple. C. A. Rafter, Clayton, Ga.

SIX MILLION FEET of hardwood timber for sale in ten miles of Macon, Ga. Touches the Southern Railroad. Price \$2500. Address Box 393, Macon, Ga.

TIMBER LAND

FOR SALE.—Two Florida yellow pine limits and turpentine producers for quick sale at a bargain. Will stand all investigations. L. N., Box 586, Buffalo, N. Y.

FOR SALE.—Several desirable pieces of timber at bargain prices. If you are in the market and want a money-maker, write George J. Philp, Box 42, Oil City, Pa.

RATES AND CONDITIONS

Rate 20 cents per line per insertion. Minimum space accepted, four lines. Maximum space accepted, 25 lines. In estimating the cost, allow seven words of ordinary length to a line. When the advertisement contains a number of long words, proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, whiskey or mining stock advertisements accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 18c. per line; 300 lines, 15c. per line; 500 lines or more, 15c. per line.

FARM AND TIMBER LANDS

WRITE FOR OUR new booklet containing Virginia farms, large and small, and timber investments. Virginian-Seaboard Realty Co., Albion, Va.

FRUIT, FARM AND TRUCK LANDS

THESE COLUMNS ARE CLOSELY READ BY PEOPLE for information of all kinds about Southern properties of every description. If you have a property of any kind that you want to dispose of, try an advertisement in these columns. Others have to their advantage. For rates see head of department.

FLORIDA

FREE.—William L. Larkin's booklet, "The Truth About Florida," with a six-month subscription (at one-half regular rates) to The Indian River Farmer. Fruit growers, truckers, general farmers, folks interested in Florida, send 25c. to The Indian River Farmer, V-1, Vero, Fla.

TEN THOUSAND ACRES best farm and fruit land in Polk county, Florida; on railroad within five miles Lakeland. Price, ten dollars per acre. Address G. C. Rogan, 1 and 2 Deen-Bryant Bldg., Lakeland, Fla.

FOR SALE.—Desirable large tract land near growing town, suitable for citrus culture, vegetables, general farming; plenty round timber. Stewart, Box 389, St. Cloud, Fla.

CHOICE citrus and truck lands for sale in the Manatee River section of Manatee County, Florida; also water fronts. Send for soil survey report and views. Manatee River Land Co., Inc., 101½ Franklin St., Tampa, Fla.

WE were the original Northern promoters of Florida land in a wholesale way, and still own and control 400,000 acres. Attractive prices and terms to responsible people; references exchanged. We can help you make money. Write us for our wholesale booklet. Thompson & Jackson, Toulon, Ill.

TROPICAL GROVE and Florida land bargain. 167 acres, 15 miles south of Miami, 6 miles from railway station, on rural delivery; fifteen acres cleared, six acres bearing trees, four acres young trees, mostly grapefruit. Splendid Redland soil. Has small residence and barn. Owner needs the money. Price for quick sale \$6500. Part terms. Thos. S. Davenport, Miami, Fla.

FOR SALE—FLORIDA.—Charming home, partly furnished, between 3 spring-fed lakes; 42 acres, 20 of which is in young citrus grove; 3000 boxes fruit last year; new modern buildings; pneumatic water system; 2½ miles from Orlando, 8000 inhabitants; 2 railroads; will sell for less than cost (\$8,000). Cash or terms; no trade. Mrs. Helen Ensign, Orlando, Fla., owner.

FLORIDA.—6000 acres cut-over land lying between Lake Crescent, Lake Louise and Lake George, in Putnam and Volusia counties, traversed by main line of A. C. L. Railway; large portion especially adapted to orange and grapefruit culture; balance finest potato and general farming land; lands all around selling \$20 to \$100 per acre. My price, \$10 per acre in a body; terms. Correspondence solicited. Chas. A. Brown, Jr., 30-31 Buckman Building, Jacksonville, Fla.

GEORGIA

FOR SALE.—100 acres, apple region, north Georgia, on graded road, near town of 4000, ¼ mile from church and school; 50 acres cleared; produces fine cotton and grain; dwelling, barns, pastures, plenty of water; \$25 per acre. J. I. Allman, Toccoa, Ga.

FARMS FOR SALE.—Southwest Georgia farms; wonderfully fertile; 10 acres up; \$10 up. Pecan lands a specialty. Also stock farms. Open grazing entire year. Farmers' Land Loan & Title Co., Albany, Ga.

KANSAS

240 ACRES. 2 miles from railway town; 90 acres in cultivation, 100 acres virgin timber; good buildings; hog-tight fence; 3 springs; one-fourth mile from Lake Taneycumco; good orchard; cheap; buy from owner direct. This land is in lead and zinc mineral belt. L. B. 662, Parsons, Kans.

LOUISIANA

FOR SALE.—Paper-shell pecan orchard; 45½ acres; best grafted varieties, coming into bearing; in the famous Louisiana alluvial section; half mile from depot; on public road. Price right. Reasonable terms. Write owner, J. T. McKinnon, Siloam Springs, Ark.

SOUTH CAROLINA

INVESTORS' OPPORTUNITIES.—Now is the time to buy city property and farm land in the coming metropolises of the Piedmont region. Spartanburg, S. C., the gateway and its R. R. center. For booklets address J. G. Mansfield, Spartanburg, S. C.

WELL-EQUIPPED OIL MILL AND GINERY for sale, located at Troy, South Carolina; also six tracts of land cheap in Edgefield and Saluda counties, S. C. A. S. Tompkins, Edgefield, S. C.

TENNESSEE

42-ACRE FARM for sale for \$2250; plenty of buildings, lots of strawberries and apples; good state of cultivation. F. W. Albaugh, owner, Portland, Tenn.

VIRGINIA

COME TO VIRGINIA.—To close an estate, will offer for sale September 1, 1915, splendid farm of 240 acres, with magnificent bearing orchard of 800 Albemarle pippin and wine-sap trees, located in heart of Albemarle pippin district; elegant mansion-house and all necessary equipment.

Also an orchard of 1000 Albemarle pippin and winesap in full bearing. For full particulars address J. L. Goodloe, Administrator, Onan, Nelson County, Va.

\$3000, ONE-HALF CASH, will buy a 20-acre farm on East River, near Mobjack Bay, in Tidewater section of Virginia; bungalow and all necessary outbuildings; beautiful yard of four acres; well set in large elms, oaks and maples; slopes down to the river; 16 acres of fertile arable land; suitable for early trucks. This place would make an ideal country home. Apply Dr. Maxwell S. Foster, Mathews, Va.

VIRGINIA ESTATES.—Colonial homes, plantations, farms, suburban homes, Albemarle pippin orchards, timber lands. Write us for what you want. We have it. R. N. Flanagan & Co., Charlottesville, Va.

RESIDENCE FOR SALE

A SPLENDID RESIDENCE PROPERTY, brick, with garage, over 15 rooms, 2 baths, 2 hot-water heaters, natural gas, massive elegant woodwork, large spacious rooms, beautiful mantels, Georgia fireplaces on best residence street, directly opposite one of the best streets; could not be duplicated for less than \$15,000. Located in Jamestown, N. Y., 1400 feet above sea level. Will exchange for unencumbered timber or coal lands in the South, or manufactured lumber. "Fairmount," 57 Fairmount Ave., Jamestown, N. Y.

CAPITAL WANTED

WANTED CAPITAL to develop Lime proposition. Have mountain of Pure Limestone that can be quarried without uncovering and can be carried to kilns by gravitation. On same mountain have finest quality of white trimming stone, all within three-quarters of mile of railroad. This proposition is situated so that favorable freight rates can be had to all points in Texas, Oklahoma and Kansas and New Mexico. The limestone will show up the purest lime in Texas. Sample of stone furnished on application. This is one of the best money-making propositions in Texas. Write R. O. Pearson, Colorado, Texas.

INTEREST IN COAL MINING COMPANY FOR SALE

VALUABLE INTEREST in one of the best coal works in the Pocahontas field. The unprecedentedly large increase in the export business will make this stock worth several times the price asked for it. Works are operating every day. Address "Fairmount," 57 Fairmount Ave., Jamestown, N. Y.

BUSINESS OPPORTUNITIES

WANTED.—Plantations, timber, coal and mineral lands, manufacturing, business and investment properties, city and country, in exchange for other properties; have constant demand, also some cash buyers. Send full details. Arthur M. Connor, Ottawa Bldg., Washington, D. C.

WANTED.—Manufacturer of ability to join us in making stock sizes short-leaf yellow pine doors and sash. Jobbing connections will take greater part of output. Address No. 1798, care Manufacturers Record, Balto., Md.

INVENTORS WANTED.—Your ideas may mean fortune. Send sketch. Patents secured through new credit system. Book and advice free. Waters & Co., 5108 Warner Bldg., Wash., D. C.

WANTED.—A practical soap maker who desires to go in business for himself; must have \$5000 in cash to invest. For full particulars address Chas. J. Ackrill, P. O. Box 1025, Tampa, Fla.

WANTED.—A Partner with capital to go into the mining of Pyrites. I have the best mining property in State. Prospect work completed and ready for business. Come at once. Address No. 1814, care Manufacturers Record, Balto., Md.

WANTED.—A live selling organization to handle 5000 acres high-grade fruit and vegetable lands. Best proposition in the State. Commission only. Address Bonita Land Company, Fort Myers, Fla.

TIDEWATER SECTION of Virginia. Nine counties; no railroad. New road to be built east from West Point will make openings for sawmill, barrel factory, furniture and coal factory, grain elevator, canning and pickle factory, one or two good townships. For information write Chamber of Commerce, West Point Va.

PAYING BUSINESS FOR SALE.—For substantially good reasons I offer my holdings of two-thirds interest in one of the prettiest paying retail and jobbing Paint, Paper and Art businesses in the South. Anyone wanting to invest in a live, profitable business will find this just the very thing. Located in one of the most strategic cities of the South. For full particulars write 1817, care Manufacturers Record, Balto., Md.

FOR SALE.—A well-established contracting and building business, including equipment; business incorporated; annual business for past 3 years between \$60,000 and \$75,000 per year. If interested, our books will show the amount of dividends or profits made by the company in this time. Have \$30,000 worth of work contracted for at this time. This is an unusual opportunity. Investigate. Write J. Box 91, Cumberland, Md.

GOOD OPPORTUNITY FOR NEW INDUSTRY with great demand and very small competition in U. S. A. Rare chance for prospector.

Competent engineers want site and capital for building woolen and cotton mill and knitting factory. Location immaterial. Small towns with railroad and water connections have good chance to obtain large factory, which will improve location. Reference given and securities furnished. Address No. 1818, care Manufacturers Record, Balto., Md.

\$75 CLEARED \$1112.50 in three months selling adjustable form units for building culverts. You can do the same. Write before someone else gets your territory and find out how it was done. Frick Manufacturing Company, Fricks, Pa.

WANTED.—Partner with \$50,000 capital to develop and sell 20,000 acres of fine farm and fruit lands; development now in progress and over \$60,000 expended on the work. Capital invested by partner will be secured by mortgage on property and paid from sales, with a liberal share of the profits. There is at least \$100,000 clear profit for a partner who can qualify at once. We have excellent plans for selling now in operation and over 8000 prospective buyers on our books, and the only reason for taking is a partner is to increase development work to meet the demand of buyers. Thorough investigation is invited, but only those who can qualify need apply, as this is a No. 1 proposition. Address No. 1813, care Manufacturers Record, Balto., Md.

EFFICIENCY DEVELOPMENT

SCIENTIFIC EFFICIENCY DEVELOPMENT.—The world's crying need; the final solution; the now famous "Red, White, and Blue" Bulletin S31; not elsewhere obtainable; 25c. postpaid. Efficiency Development Corporation, Drawer 1550, Philadelphia, Pa.

REPORTS AND INVESTIGATIONS

ACCURATE political, financial or miscellaneous reports and intelligent investigations of any character in Birmingham, Alabama, and surrounding towns. The performance of your commissions solicited. References. P. O. Box 597, Birmingham, Ala.

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